NEXCOM International Co., Ltd.

PowerDigiS Digital Signage Appliance (for Windows)

User Manual

NEXCOM International Co., Ltd.
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Preface

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Acknowledgements

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Conventions Used in this Manual

Warning: Information about certain situations, which if not observed, can cause personal injury. This will prevent injury to yourself when performing a task.

Caution: Information to avoid damaging components or losing data.

Note: Provides additional information to complete a task easily.

Acronyms Used in this Manual

PDS
PowerDigiS

Presentation
Multimedia presentation designed by the PDS Presentation Designer. The presentation is then displayed on a Player.

CMS
PDS Central Management Server

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Chapter 1: Introduction

Manual Objective

The objective of this User Manual is to provide a comprehensive understanding of the PowerDigiS Digital Signage Product. Specifically, user will be able to reference this manual for assistance with the following:

- PowerDigiS product overview
- Detailed descriptions of PowerDigiS product features and UI functions
- Step-by-Step PowerDigiS product system installation and configuration procedures
- Basic and advanced settings for PowerDigiS Digital Signage configuration

Architecture

The PowerDigiS Digital Signage Product is a range of network based digital signage player designed to address a broad spectrum of digital signage applications. It integrates hardware and software technology seamlessly in digital signage application to provide high performance media player system and feature rich software solution tailored to handle high quality play of a great variety of multi-media contents on single or multiple display devices.

A comprehensive suit of presentation design, media player, presentation scheduler and management tools are included with PowerDigiS solution package which makes for simplified deployment, management and operation of digital signage applications.

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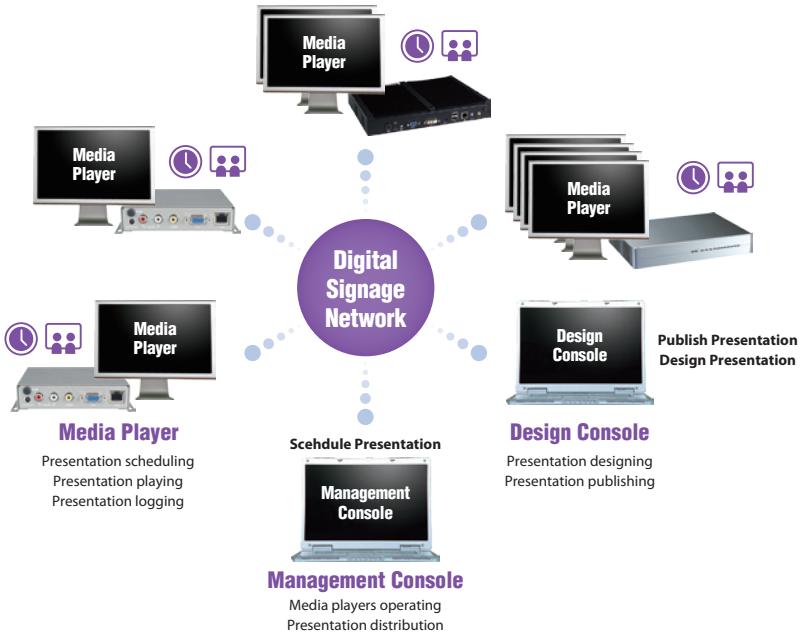

The PowerDigiS Digital Signage solution is composed of the following major components:

PowerDigiS Player

The PowerDigiS Player is an appliance pre-installed with all required software for digital signage application to display multi-media presentations on multiple display devices in accordance with user preferable time and sequence. By using LAN, multi-media presentations can be easily uploaded to the PowerDigiS Player remotely through wired or wireless network.

- Playback ability of most of standard multimedia file types
- Player start/stop/pause/reboot/shutdown control
- Display resolution setting support
- Daily/Weekly presentation scheduling support
- Screen rotation function (landscape/portrait) support
- Output to multiple display devices, independent, clone or extended
- Picture/video wall feature support
- Live TV program playback support
- Emergency message display support

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PowerDigiS Presentation Designer

The PowerDigiS Designer is a software program allowing users to design and upload the presentation to USB drive, specific Player or the Central Management Server for central distribution purpose. This handy tool gives users the freedom and flexibility to add, modify and control different types of rich media files, from simple text messages to advanced combinations of text with dynamic animations, pictures, video files, TV programs or flash movies to presentation.

- Easy drag and add content (play tem) from content library to Playlist
- Support mixed types of contents in each Playlist
- Support up to 10 zones in each layout
- Provide Presentation preview and overview features
- Support multi-lingual design interface and text message
- Images transition effect in each independent zone
- Multiple language support for text, banner, and RSS news feed contents
- Integrate easy upload function to create and upload the presentation package to the Player, CMS or USB drive.

PowerDigiS Player Web Management Console

The PowerDigiS Player Web Management Console is an user interface which enables user to remotely control and administrate the PDS Player, including scheduling and playing the presentation, viewing and managing Player's configuration and system information as well as controlling the Player status.

- Multiple language support for Player web console remote control
- Provide overall system information
- View/export/delete the system event log or error message
- Support system reboot, software upgrade and system shutdown features
- Monitor and control major system services
- Provide Player control functions, including launch, start, stop and pause Player
- Manually tune TV channel for any specific Player
- Schedule presentations to be played at specific time
- Presentation can be displayed daily, weekly, multiple times within a day or recursively.
- Provide detailed information and presentation contents of any presentation in Presentation List
- View, download, and delete Proof of Play log file.

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Chapter 2: System Setup And Configuration

Configuring PDS Windows Player

Before you start to configure the PDS Windows Player, you need to verify if the hardware environment is configured properly. Refer to the Physical Hardware Setup section below to make sure you have each hardware device setup ready.

Physical Hardware Setup

Hardware Setup

Refer to the System Setup chapter of the PDS hardware manual for instructions on installing the hardware components.

Power Connection

The PowerDigiS Player models are equipped with one AC power adapter with 12V DC output. The type of 12V DC power connector varies on different models. Check if you have correct AC adapter with correct DC output, power capacity, and DC power connector.

Display/Monitor/Audio Devices Connection

The PowerDigiS Player models are equipped with a set of video and audio output interfaces. Before powering up PowerDigiS system, you need to verify that all devices are properly connected to the Player video and audio output interfaces.

Keyboard/Mouse Devices Connection

When you set up the Player for the very first time, you need to plug a keyboard and a mouse to the USB interfaces on PDS Player to begin with the configuration.

Network Connection

The PowerDigiS Player LAN port supports 10/100/1000 Mbps. Connect the LAN port to the network by Ethernet cable.

When the PowerDigiS Player has been physically setup and powered on, it will automatically start up the signage player program after system boot up.

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Configuring PDS Windows Player

You do not need to install the PowerDigiS Player software because PDS series already comes pre-installed with the software. All you need to do is run the program to configure the PowerDigiS Player.

This section will guide you through how to configure the PowerDigiS Player so that you can create the Player Signage Profile, import/export the Player Signage Profile of a PDS system, create the media content folder, create the presentation upload folder, select language for player web management console interface, and test the imported signage profile on each attached monitor screen.

1. Execute the PowerDigiS Player Software

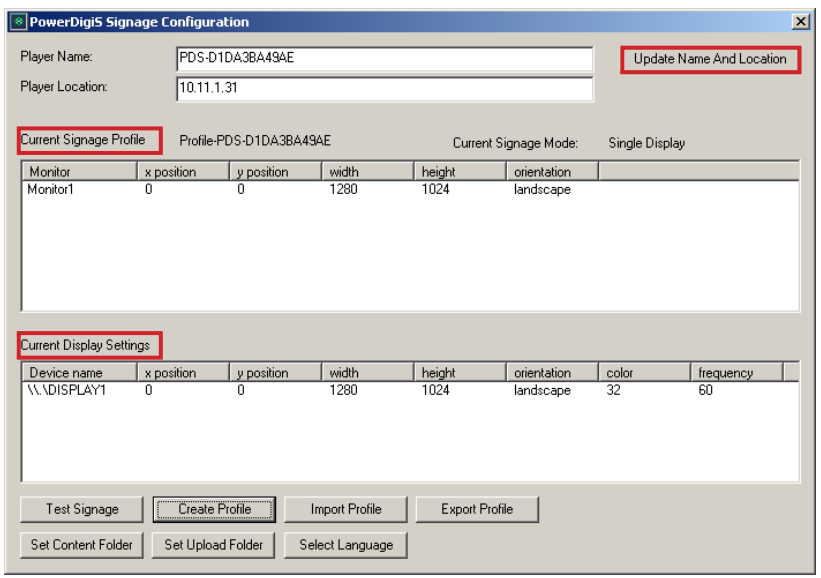
To begin with the player configuration, you will first execute the PowerDigiS Player Software.

Click **Start**, click **All Programs**, click **PowerDigiS Signage Player**, and then click **Configure Signage**.

2. Enter the Player's Information

In the PowerDigiS Signage Configuration dialog box, enter the Player Name and Player location then click **Update Name and Location**.

The **Current Signage Profile** section shows the Player's profile settings. The section below it is the **Current Display Settings**. If the x position, y position, width, height and orientation does not match the settings in the Current Signage Profile, you will need to re-configure the Player's profile and its display settings. Refer to the **"Create/Import a Player Signage Profile"** section on the pages that follow.



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3. Create/Import a Player Signage Profile

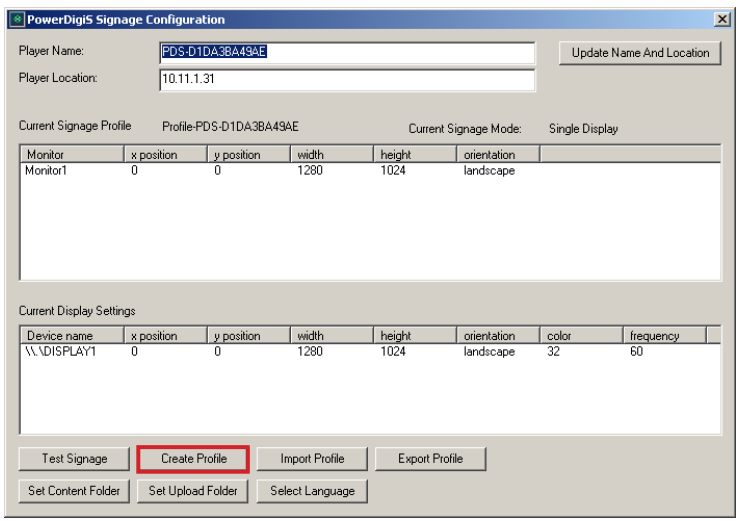
There are two methods of configuring the Player Signage Profile:

- Creating a New Profile
- Importing an Existing Profile

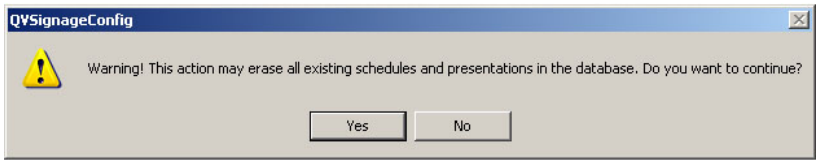
Creating a New Profile

To begin with the player configuration, you will first create a Player Signage Profile. This profile contains information about the player display configuration, including resolution, monitors geometry, and display orientation.

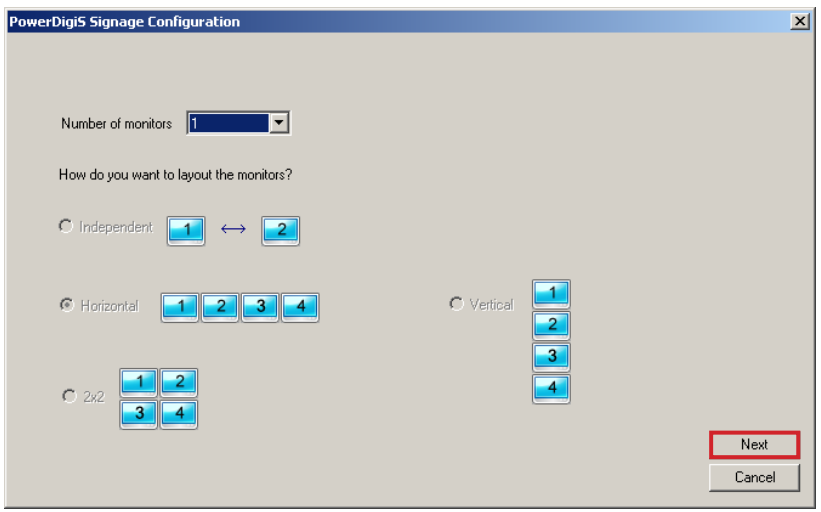
- Click **Create Profile** in the Signage Configuration dialog box.



- The following warning message will appear.


QVSignageConfig
Warning! This action may erase all existing schedules and presentations in the database. Do you want to continue?
Yes
No

- Click **Yes** to continue
- The dialog box below will appear allowing you to define number of monitors attached to the Player and to select preferred layout of the monitors. Click **Next**.



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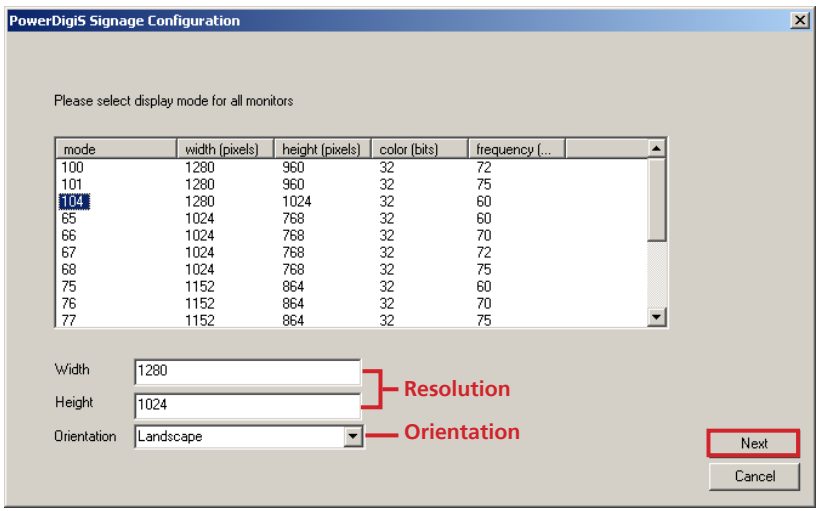
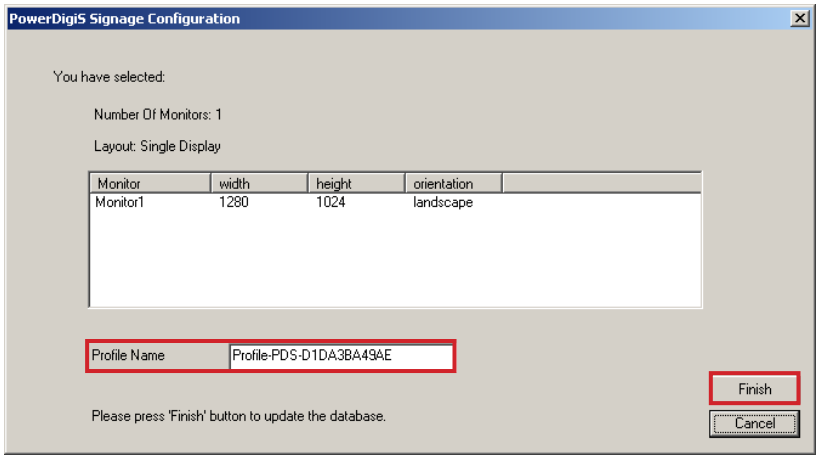
- The next step is to configure resolution and orientation for each attached monitor. Enter the preferred resolution for the display monitor.
- Select the Orientation to either Landscape (0 degree rotation) or Portrait (90 degrees rotation).

  If you have previously selected "Independent" mode, you need to select a resolution for the second monitor as well.



- Click **Next**.

- In the next dialog box, enter the profile's name in **Profile Name**.
- Click **Finish**.



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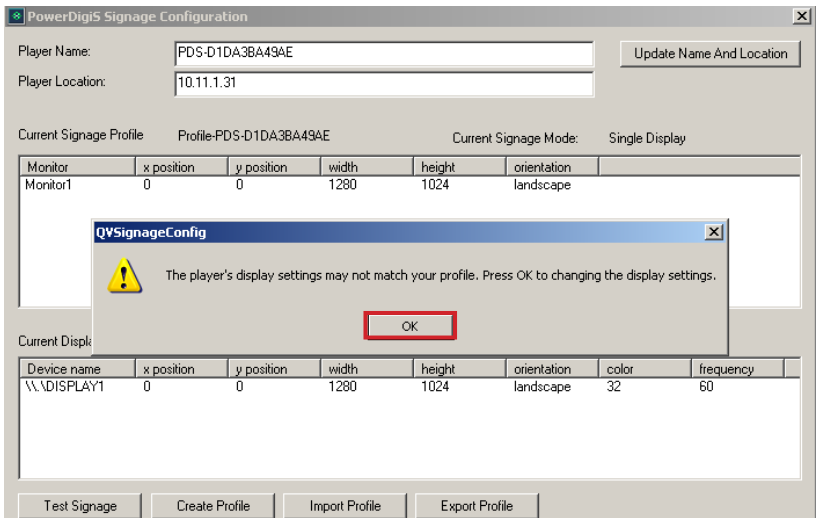
The profile you created will be saved in a specific folder in the Player system. You will need this file later on when you design a presentation for the Player.

When the message about completing configuration appears, you will be prompted to reset the system display settings to match the profile. Click **OK** to continue.

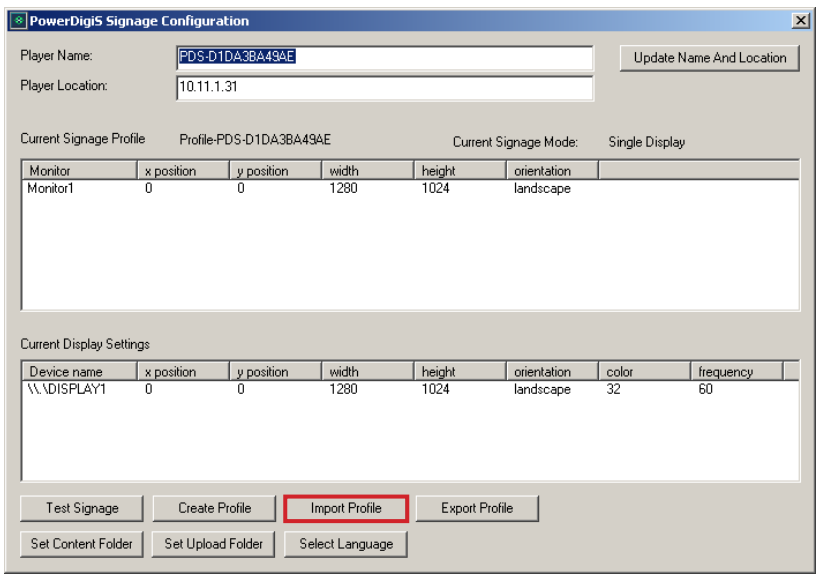


- Click **Next**.

Importing an Existing Profile

You can also import an existing Player Signage Profile if you have deployed multiple PowerDigiS player systems which all share the same display setting. The Signage Profile should have been saved somewhere in your local drive.

- From the Configure Signage dialog box, click **Import Profile**.



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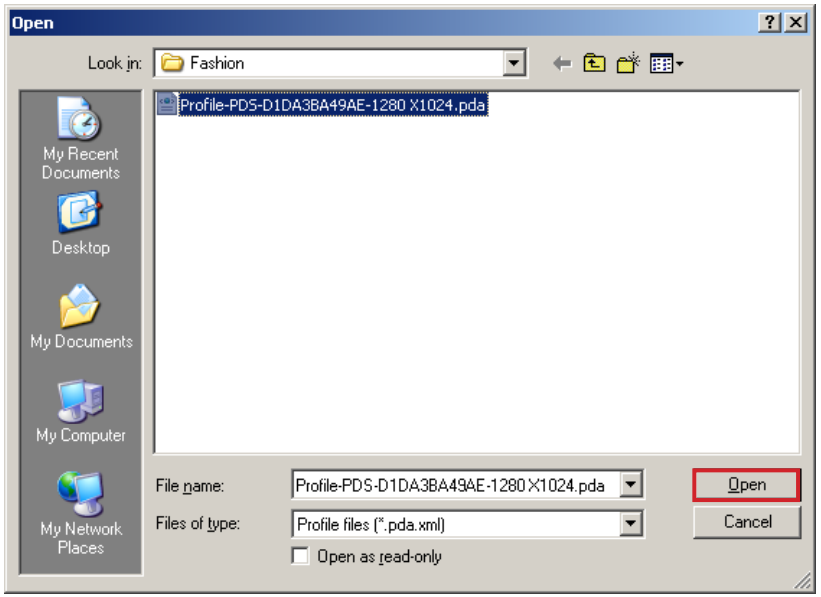
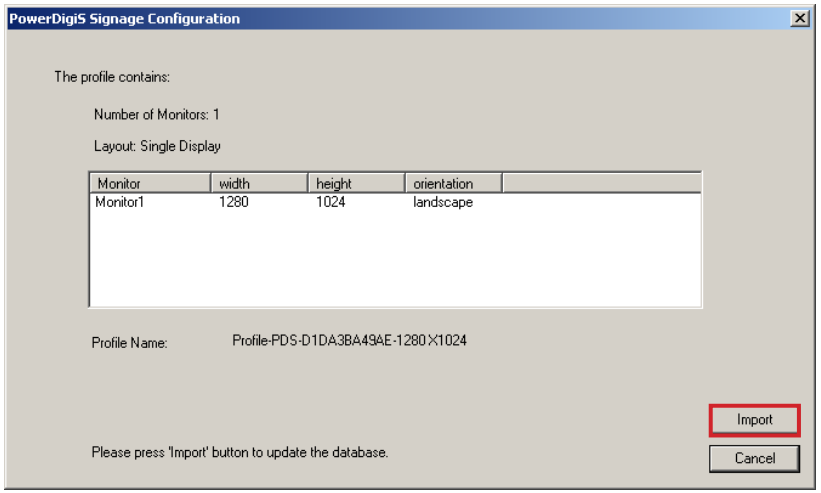
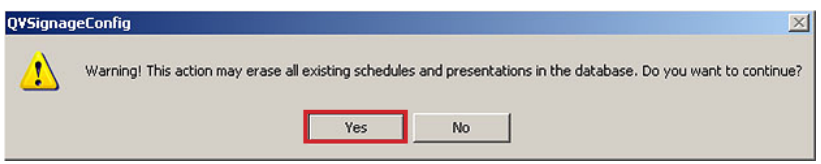
- Select the profile (with file extension .pda.xml) you want to import, and then click **Open**.



- The configuration of the selected profile is shown in the dialog box. Click **Import** to import the profile.



- The following warning message will appear. Click **Yes** to continue with the profile import.


QVSignageConfig
Warning! This action may erase all existing schedules and presentations in the database. Do you want to continue?
Yes
No

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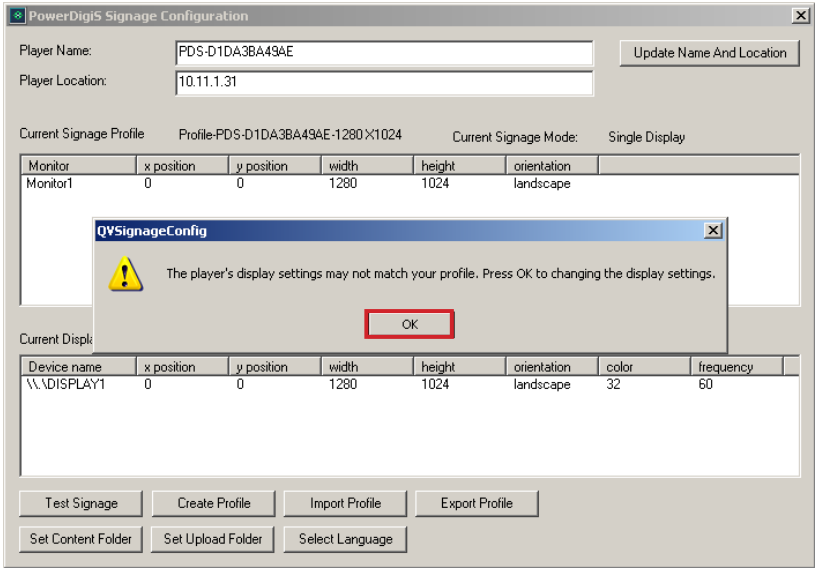
- When the message about completing the configuration appears, you will be prompted to reset the system display settings to match the profile. Click **OK** to continue.

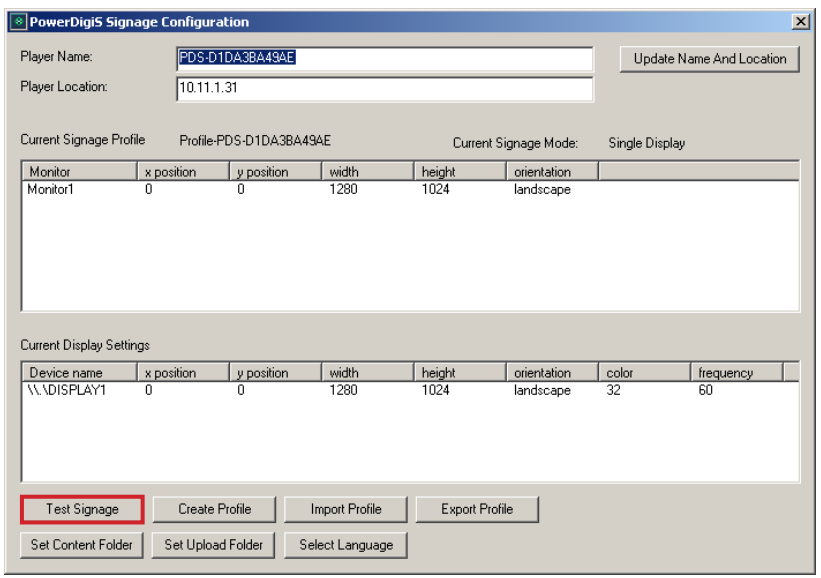


- The Current Signage Profile section will list the Player's profile settings you just imported.

4. Testing the Player Signage Profile

After you have created a new signage profile or imported an existing signage profile to the Player, you can check the profile configuration by clicking Test Signage button from the main dialog box. Depending on the layout of monitors attached to the Player, the Test Signage function can help you to verify the correctness of the setting in the Player Signage profile.

- To check whether a profile configuration works or not, click **Test Signage**.



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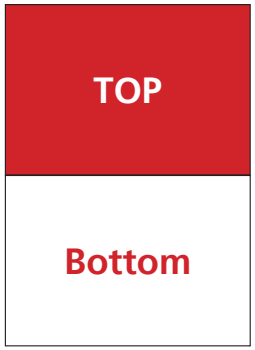
- If you have selected Single Display, the monitor screen will be covered by red rectangle area shown as below. Make sure the image is in fullscreen mode, occupying the entire screen.

- If you have selected Two Display monitors to "Side by Side", then each monitor screen should be covered by rectangle area in different colors shown as below. The image on the left should occupy the entire screen while the image on the right should also occupy the entire screen.

- If you have selected Two Display monitors to "Top and Bottom", then the monitor screens will appear as shown below. The image on top should occupy the entire screen while the image at the bottom should also occupy the entire screen.



- If you have selected Independent, the screen will appear as below.

If the system does not display the image correctly, then adjusting the display settings for the Player system will be necessary. Click on the Display screen can end the testing program.

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5. Adjusting Display Settings Using Utility Tools

If the images were not displayed correctly on the monitors or you want to change

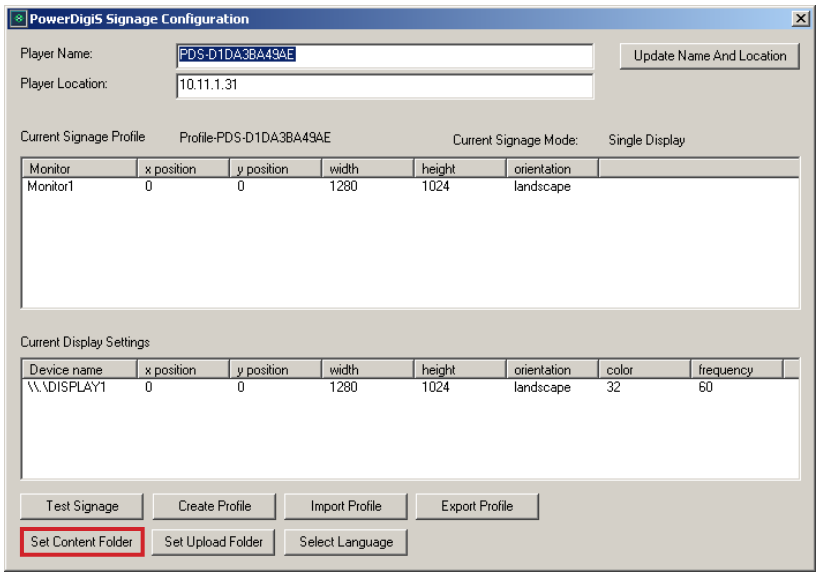
Player's display settings, you can adjust the settings of the single or multiple monitors

by using the display driver's utility or setting them in the Windows Display Properties dialog box located in Control Panel.

Different PDS models are equipped with different display driver utilities. Please refer to **Display Settings** in **Appendix A** for detailed information on how to use these driver utilities to configure display settings of single or multiple monitors for different PDS models.

6. Set the Content Folder

The **Set Content Folder** button allows you to configure in which folder you want to save the local media content files as well as the default folder path where you want to upload the presentation or software patch.



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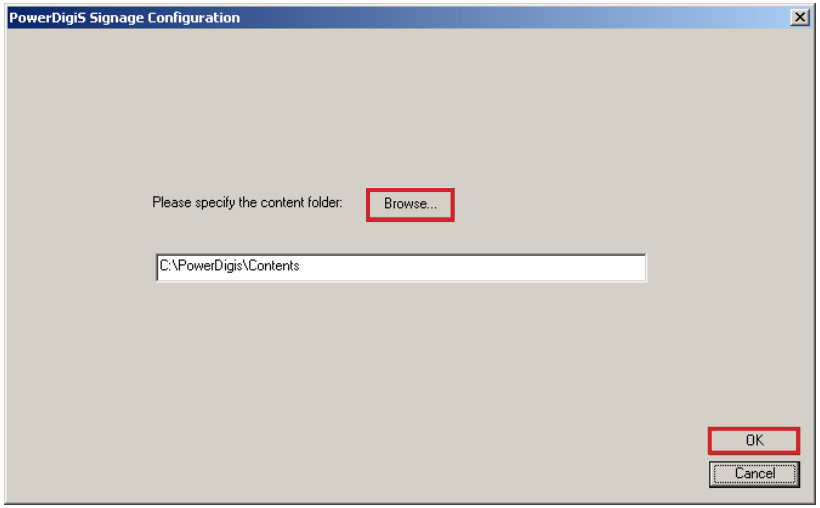
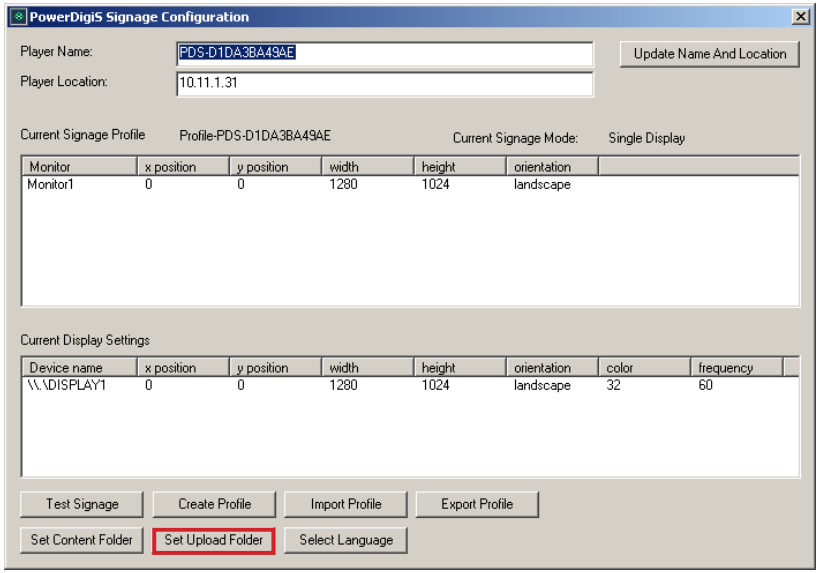
- The default folder path is C:\PowerDigiS\Contenets. Click **OK** to save the default Content Folder or click **Browse** to specify another folder.



7. Set Upload Folder

The **Set Upload Folder** button allows you to specify a folder where you want to upload the Presentation file. The folder must be configured as ftp folder with proper username and password.

- Click **Set Upload Folder** to select the folder where you want to upload the Presentation file.



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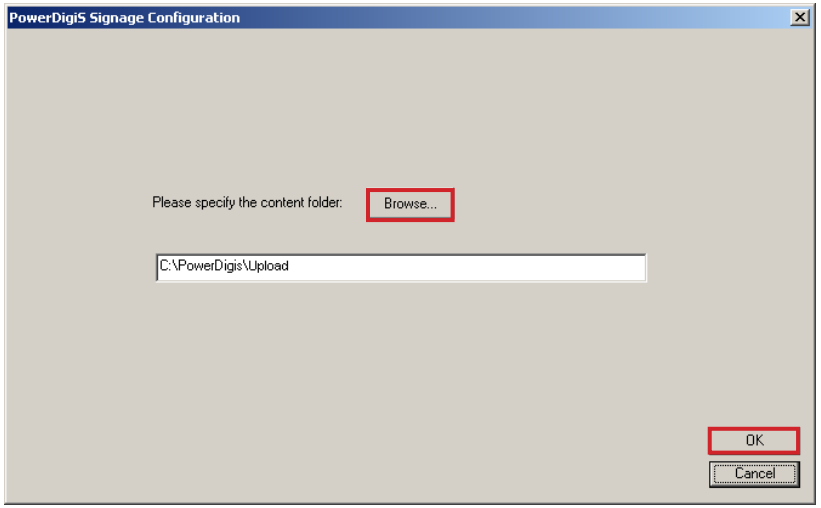
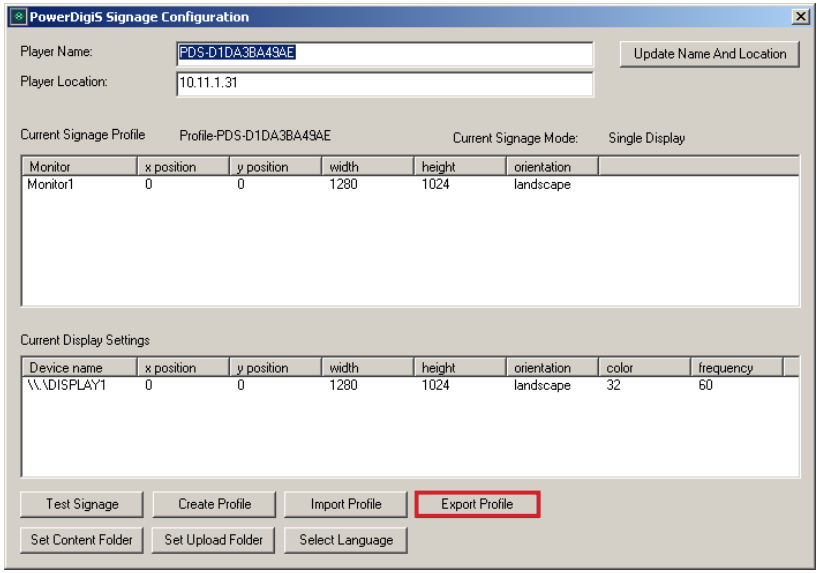
- The default folder path is C:\PowerDigiS\Upload. Click **OK** to save the default Upload Folder or click **Browse** to specify another folder.



8. Export the Profile

The **Export Profile** button allows you to export the Player Signage profile.You will need this file later when you design a presentation for the player.

- Click **Export File**.



- A profile with file extension [your_configuration_name].pda.xml will be generated in the program folder.

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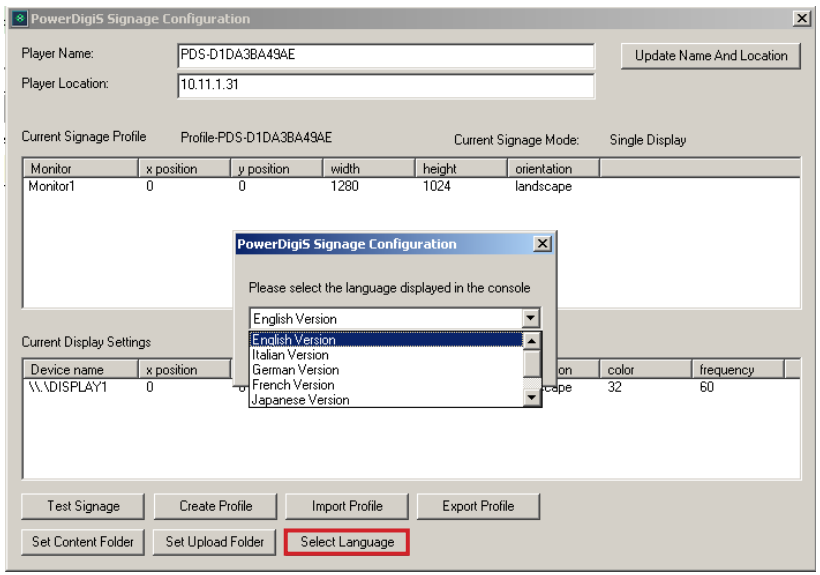
9. Select the Language

The **Select Language** button allows you to change the language displayed on the Player Web Management console. Currently, seven languages are supported, including English, German, French, Italian, Japanese, Simplified Chinese, and Traditional Chinese.

- Click **Select Language**.
- From the language version dropdown menu, select the language version to be used in the Player web management console.



You can set the Player's date, time, time zone, internet time, etc. in the Windows Date and Time dialog box located in Control Panel. The computer will record the date and time whenever you create or modify files on your computer.

You must also remember the Player's IP address to be able to login the Player Console later on.

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Installing and Configuring PDS Presentation Designer

Installation

System Requirements

You can install PDS Presentation Designer software on any PC. The system requirements for installing PDS Presentation Designer are as following:

1. Hardware Requirements

- CPU: Pentium Processor 1GHz or higher
- RAM: 512MB minimum, 1 GB or more recommended
- Graphic system: 16-bit color video graphics array (VGA) recommended
- Hard disk space: 15MB.

storage space for video files varies depending on the number, lengths, and type of videos.

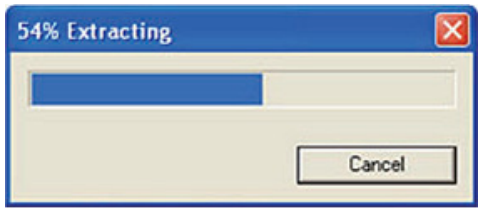
- NIC: A single Fast Ethernet or GigE card

2. Software Requirements

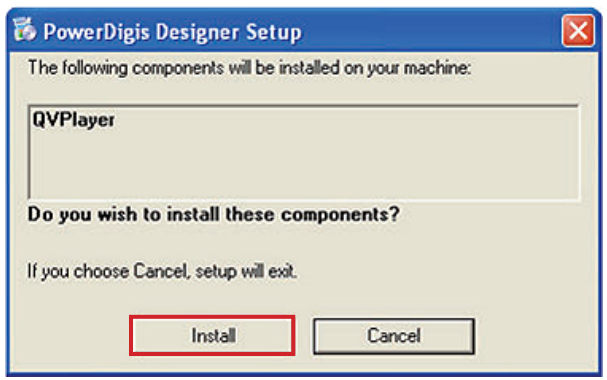
- Windows XP SP3
- WMP 11
- Adobe Flash Player 11
- K-Lite Mega Codec Pack v. 5.1.x or above is recommended.

Installing PDS Presentation Designer

1. Insert the PDS Presentation Designer disc into an optical drive.
2. In the root directory of the disc, double-click P**owerDigisDesign Setup.exe.**



3. Click Install to **install** the component


PowerDigis Designer Setup
The following components will be installed on your machine:
QVPlayer
Do you wish to install these components?
If you choose Cancel, setup will exit.
Install
Cancel

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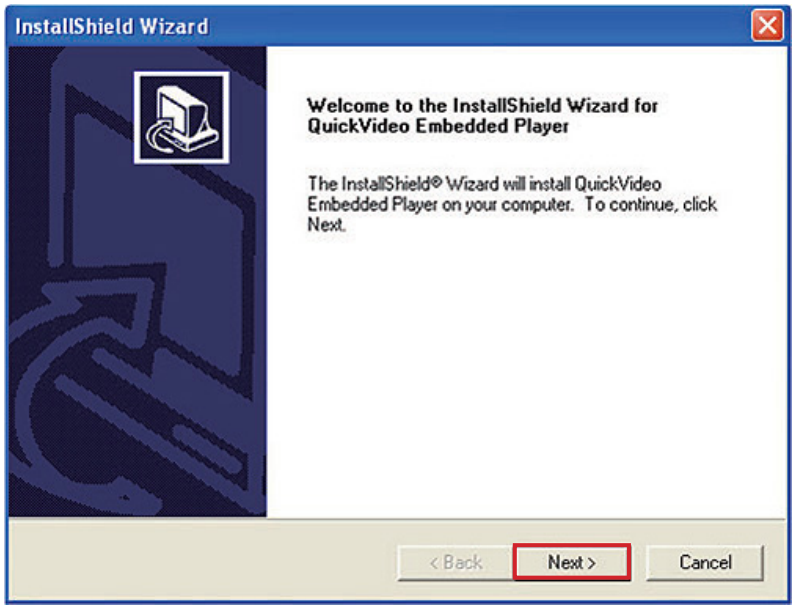
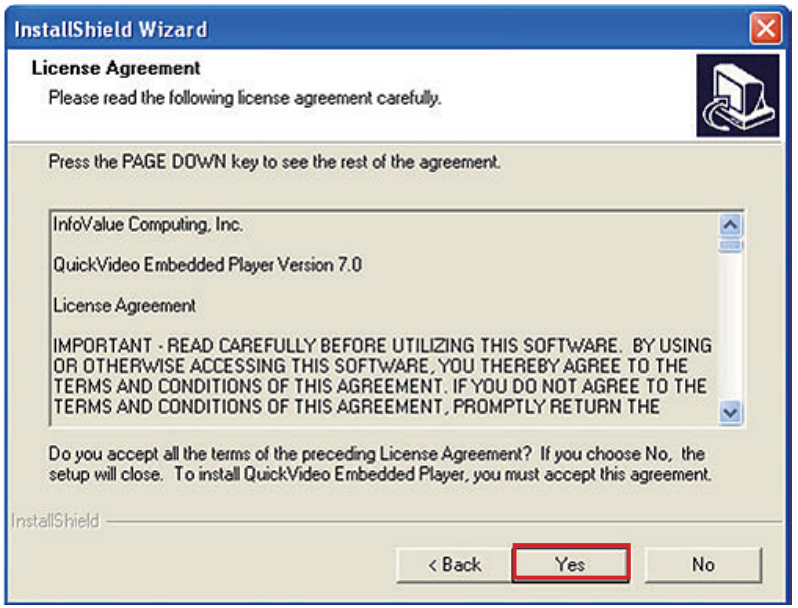
4. Click **Next** to begin installation.


InstallShield Wizard
Welcome to the InstallShield Wizard for QuickVideo Embedded Player
The InstallShield® Wizard will install QuickVideo Embedded Player on your computer. To continue, click Next.
< Back
Next >
Cancel

5. Read the License Agreement then click **Yes**.


InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
Press the PAGE DOWN key to see the rest of the agreement.
InfoValue Computing, Inc.
QuickVideo Embedded Player Version 7.0
License Agreement
IMPORTANT - READ CAREFULLY BEFORE UTILIZING THIS SOFTWARE. BY USING OR OTHERWISE ACCESSING THIS SOFTWARE, YOU THEREBY AGREE TO THE TERMS AND CONDITIONS OF THIS AGREEMENT. IF YOU DO NOT AGREE TO THE TERMS AND CONDITIONS OF THIS AGREEMENT, PROMPTLY RETURN THE
Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install QuickVideo Embedded Player, you must accept this agreement.
InstallShield
< Back
Yes
No

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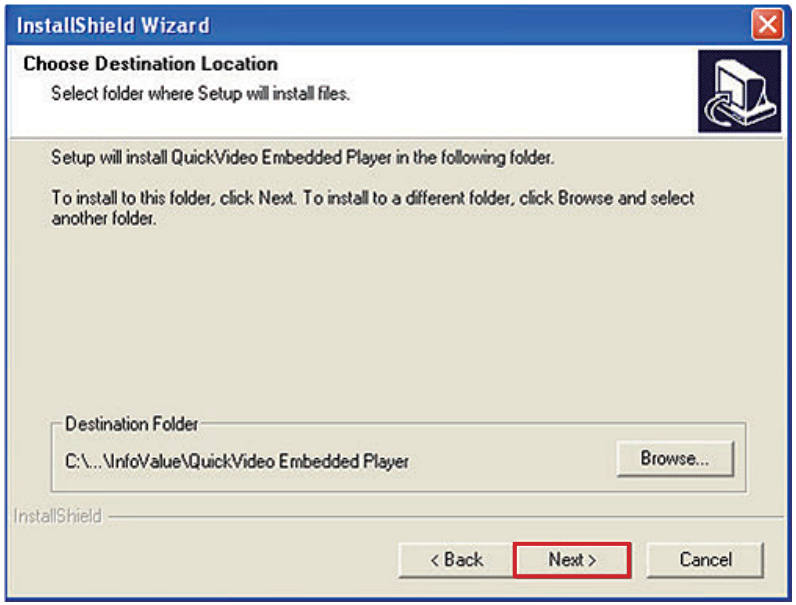
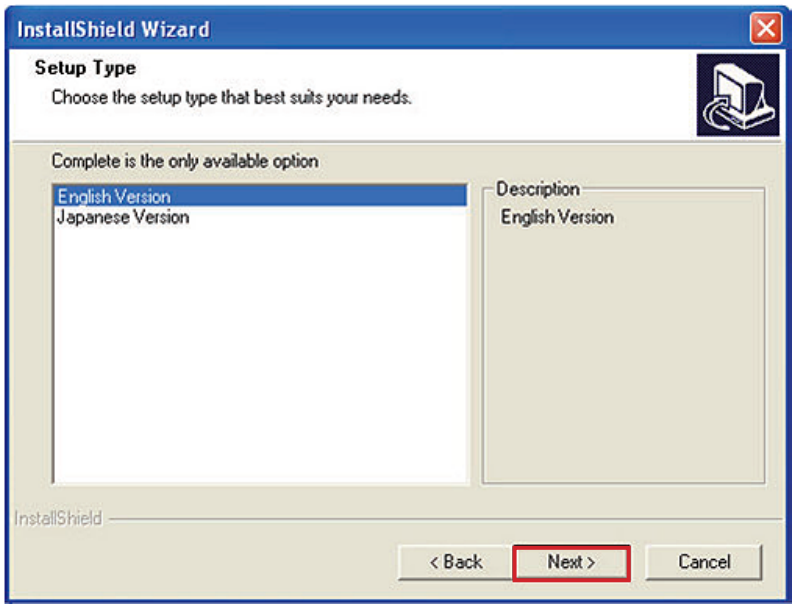
6. Click **Next** to install the destination folder or click **Browse** to select another folder.


InstallShield Wizard
Choose Destination Location
Select folder where Setup will install files.
Setup will install QuickVideo Embedded Player in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\...\InfoValue\QuickVideo Embedded Player
Browse...
InstallShield
< Back
Next >
Cancel

7. Select a language then click **Next**.



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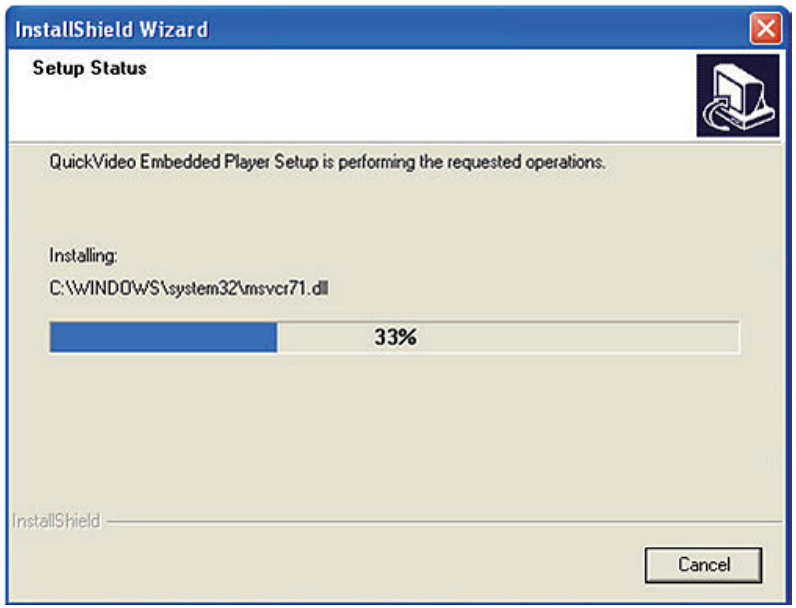
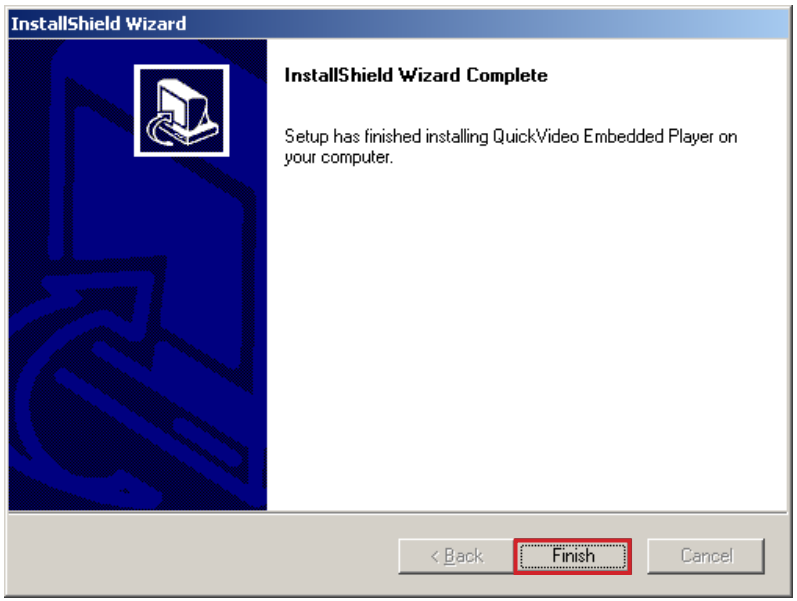
8. The PowerDigiS Presentation Designer is currently being installed.



9. The below window shows that QuickVideo Embedded Player installation is complete. Click **Finish**.



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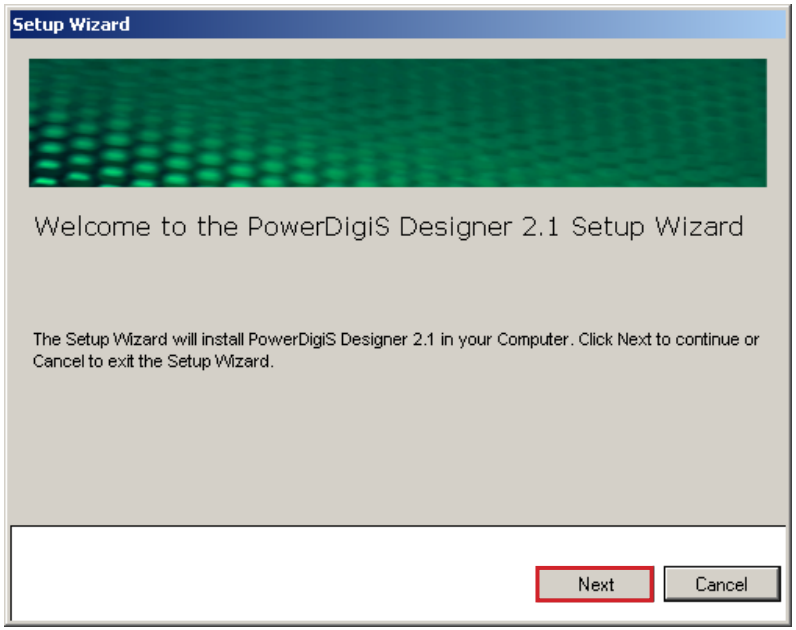
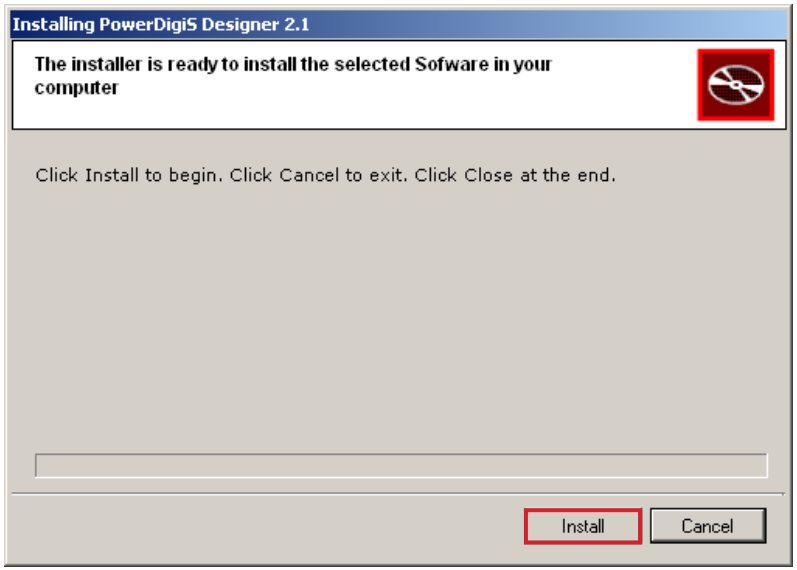
10. In the Welcome dialog box, click **Next**.


Setup Wizard
Welcome to the PowerDigiS Designer 2.1 Setup Wizard
The Setup Wizard will install PowerDigiS Designer 2.1 in your Computer. Click Next to continue or Cancel to exit the Setup Wizard.
Next
Cancel

11. Click **Install** to begin installation.


Installing PowerDigiS Designer 2.1
The installer is ready to install the selected Sofware in your computer
Click Install to begin. Click Cancel to exit. Click Close at the end.
Install
Cancel

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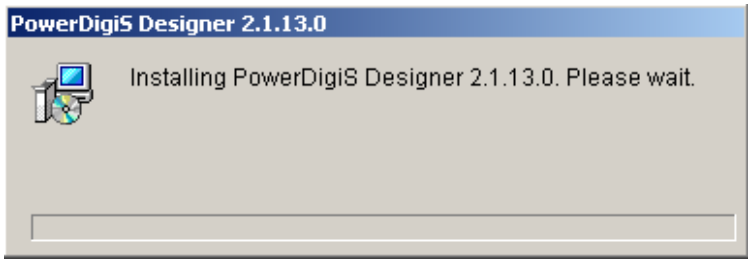
12. The installation of PDS Designer starts.



13. Enter the license key (Designer SSN) which can be found in the Designer folder in the Utility CD.

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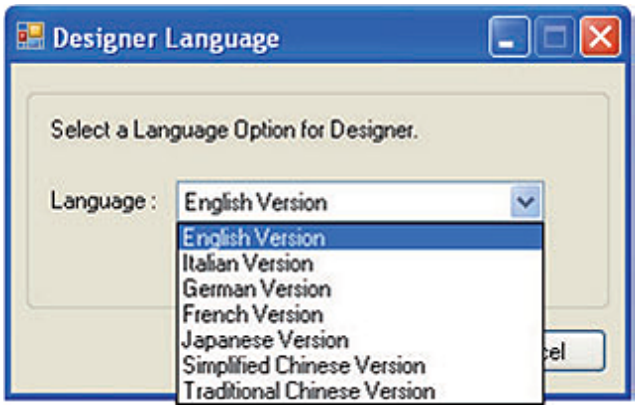
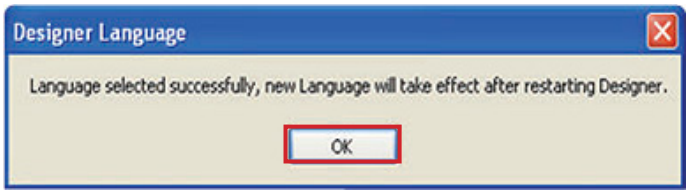
14. From the Designer Language Option dropdown menu, select the language to be used for the PowerDigiS Presentation Designer program. Click **OK**.



15. The following message will appear informing you to restart the Designer for the selected language to take effect. Click **OK**.



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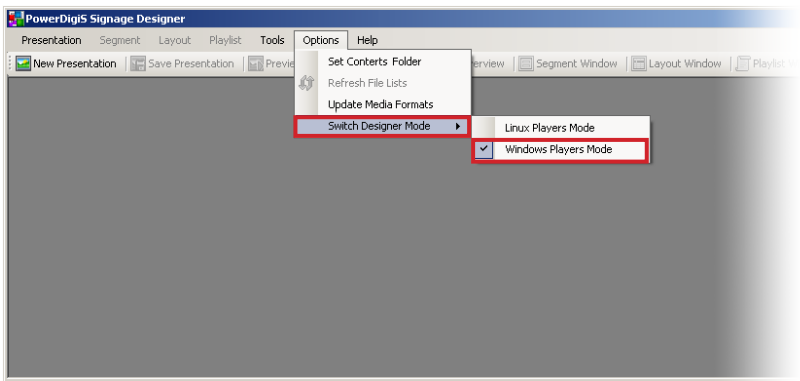
Configuration

Once you have installed the PDS Presentation Designer, you must configure the Designer first before you can create and design a presentation.

Switch Designer Mode

The Designer mode should be corresponding to the Player mode for which the presentation is going to be designed. If not, follow the steps below to switch the Designer Mode:

1. Click **Start**->**All Programs**->**PowerDigiS**->**PowerDigiS Signage Designer**->**Design Presentation**
2. From the **Options** menu, click **Switch Designer Mode** and select **Windows Players Mode**.

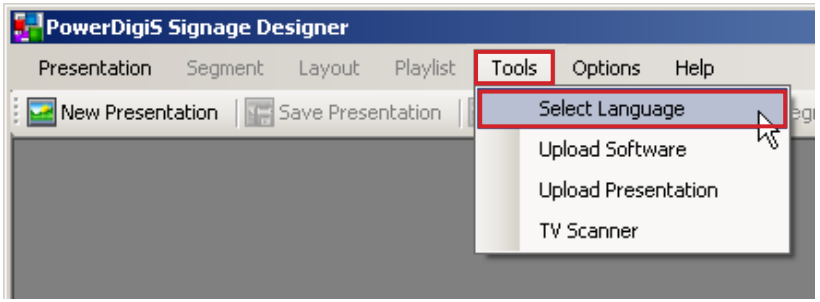


You must restart the Designer program for the setting to take effect.

Select Language

The Designer console interface supports different languages. Follow the steps below to select the language to be used for the Designer:

1. From the **Tools** menu, click **Select Language**.



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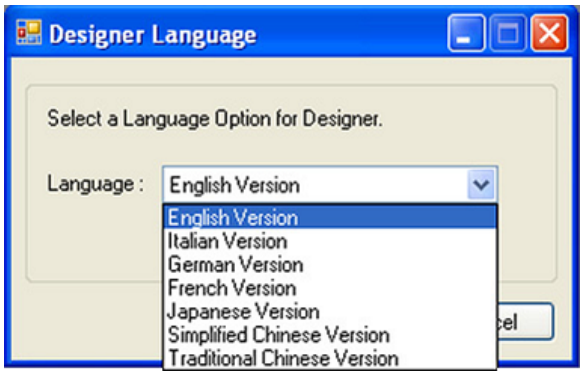
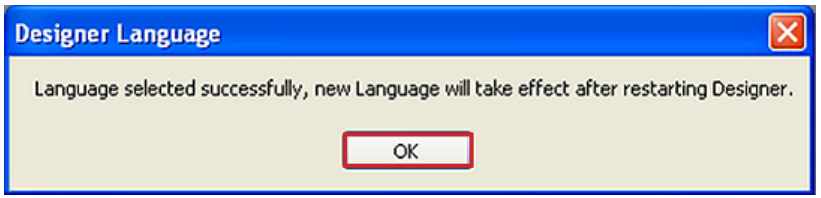
2. From the Select Language drop-down menu, select the preferred language then click **OK**.



3. A dialog box will appear reminding you to restart the Designer for the setting to take effect. Click **OK** and then restart the Designer.



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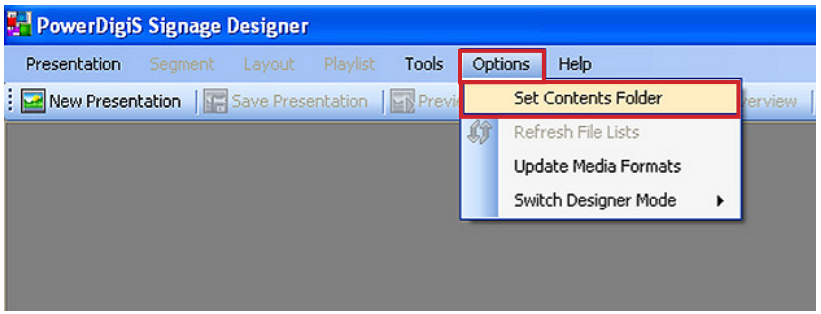
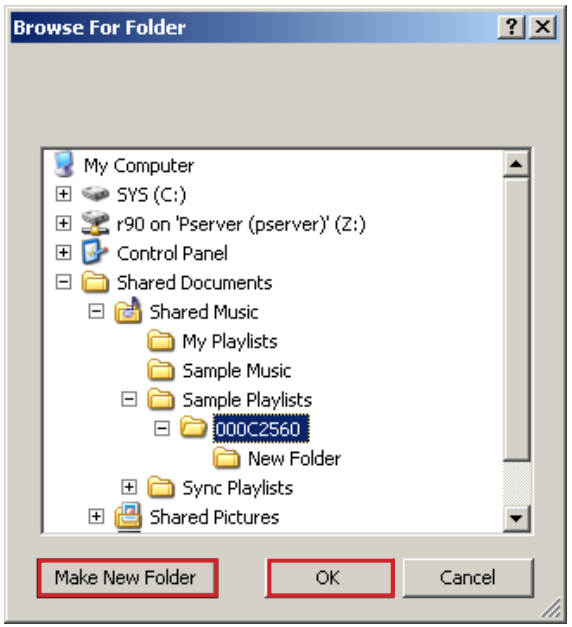
Set Contents Folder

The Contents Folder is where multimedia content files are stored for the presentation design. Follow the steps below to locate your own content folder:

1. From the **Options** menu, click **Set Contents Folder.**



2. Browse and then specify the content folder location.
3. You can also create a new folder by clicking **Make New Folder**.
4. Click **OK** when done.



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Chapter 3: Basic Digital Signage Workflow

Below is the basic workflow of Digital Signage configuration:

- Configure signage profile
- Create/Open a signage presentation file
- Design the presentation
- Upload the Presentation through Upload Manager
- Log into the Player Web Management Console
- Ingest a presentation
- Schedule the presentation
- Launch the Player to play presentation

Configure Signage Profile

Creating or importing a Player Signage Profile

Signage profile defines the display properties of a Player system. Before you create a new presentation, make sure you already have a signage profile located somewhere in the PC where you will run the Presentation Designer software. You can import the profile from the PDS Player you configured earlier. Otherwise, please follow the steps below to create a signage profile using the PDS Presentation Designer software.

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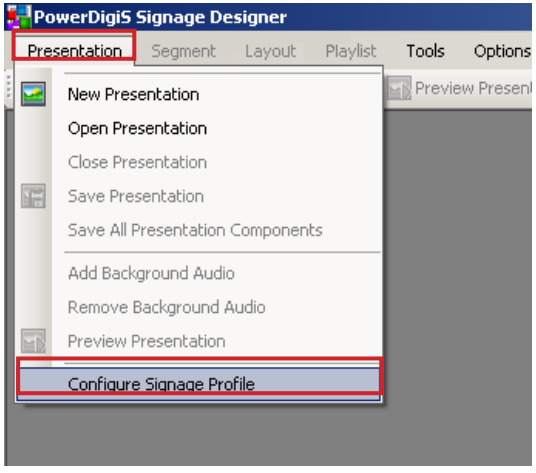
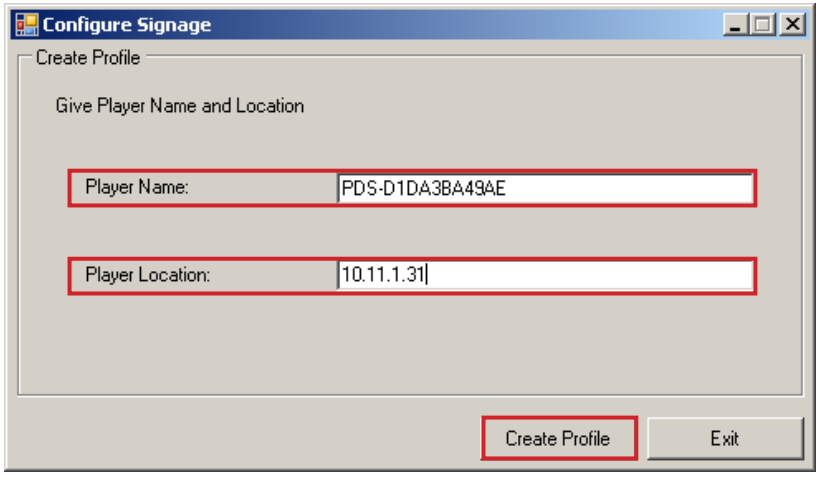
- On the Presentation Designer console, click **Presentation** and from the dropdown menu, select **Configure Signage Profile**.



- In the Create Profile dialog box
  - Enter the **Player Name**.
  - Enter the **Player Location**.
  - Click **Create Profile**.



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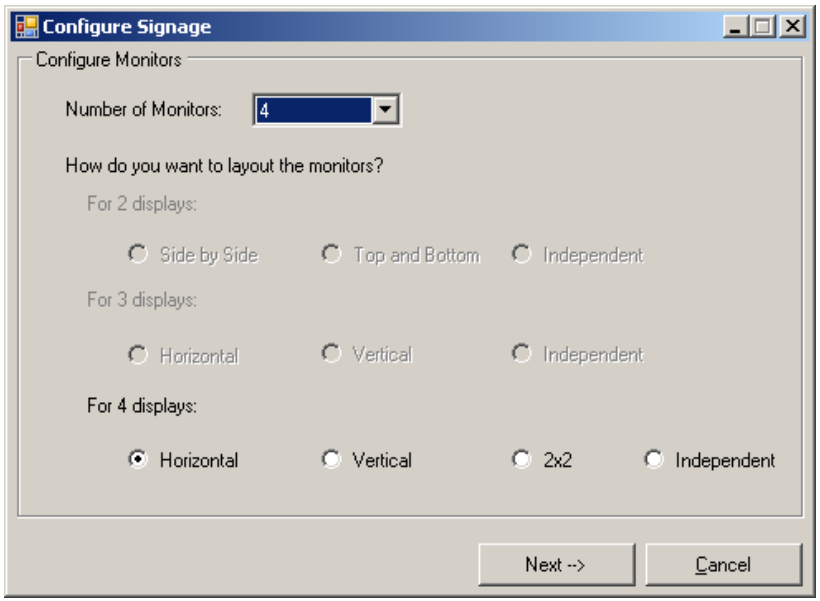
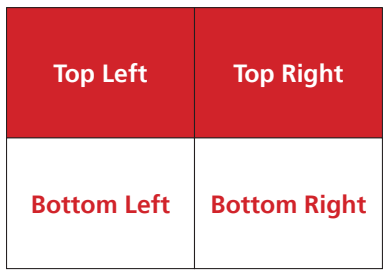
- In the Configure Monitors dialog box:
  - Select the number of monitors in the Number of Monitors field.
  - Select the layout of the monitors. Depending on how many monitors you are using, you can select to layout the monitors differently. Take four displays for example. You can select from Horizontal, Vertical, 2x2 and Independent mode. Please see below illustrations of how the displays look for each mode.



Horizontal

Vertical

2x2



Independent

- Click **Next** to proceed.

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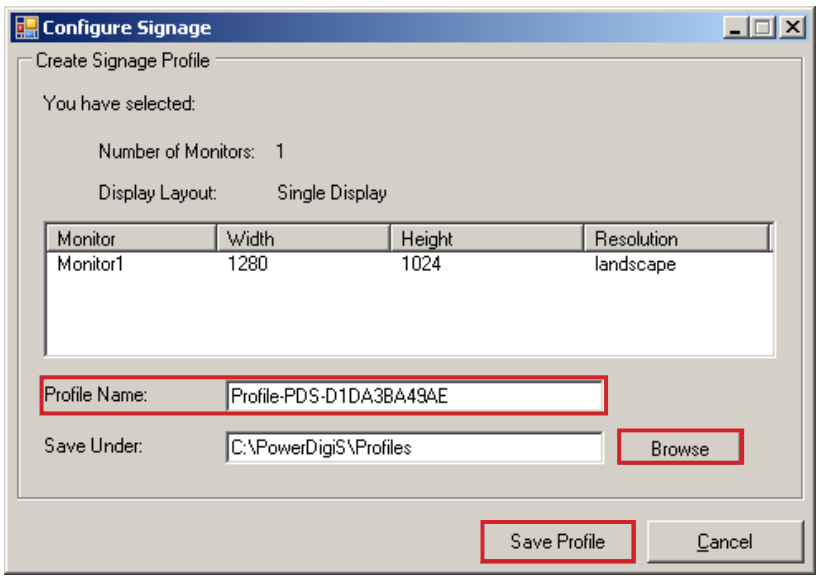
- In the **Monitor Display Mode** dialog box:
  - Select the monitor's resolution in the **Resolution** field.
  - You can also manually enter a resolution. Check **Enter Resolution** and then specify the resolution.
  - Click **Next**.

- In the **Create Signage Profile** dialog box:
  - Name the signage profile in the **Profile Name** field.
  - Click **Browse** to select the location where you want to save the signage profile.
  - Click **Save Profile**.



  - The dialog box below shows the location of the newly created signage profile. Click **OK**.

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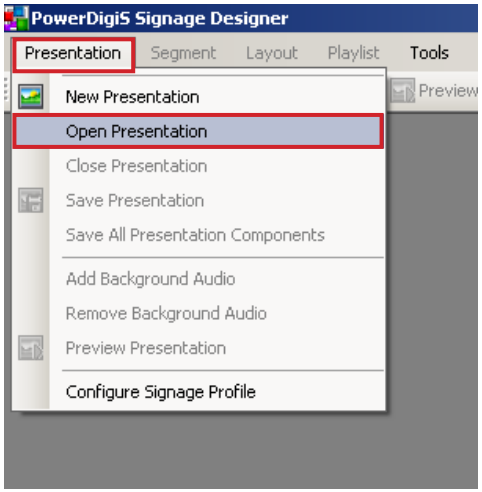
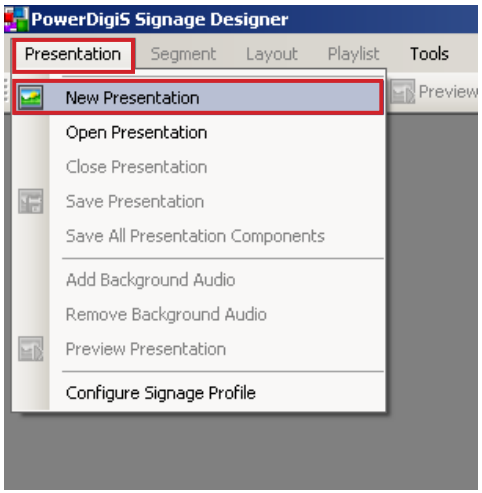
Create/Open a Signage Presentation File

- From **Presentation** menu,
  - You can select **Open Presentation** to edit an exiting presentation.



  - Or select **New Presentation** to create a new presentation.



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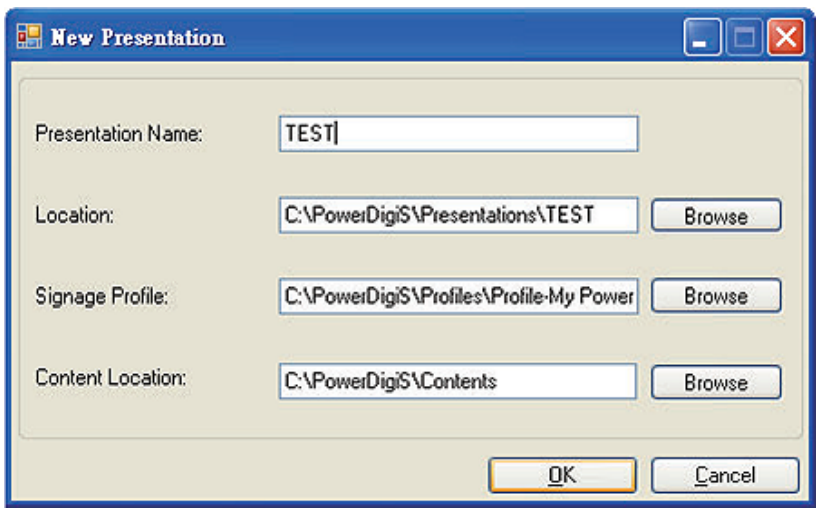
- In the **New Presentation** dialog box:
  - Enter a name for the presentation in **Presentation Name**.
  - In **Location**, click **Browse** to select a folder where you want to save the presentation file.
  - In **Signage Profile**, click **Browse** to locate Signage Profile previously saved.
  - In **Content Location**, click **Browse** to locate where the local media content files were stored.
  - Click **OK**.



Design the Presentation

After you have created a presentation file, you can now start to design your presentation. A presentation is made up of the following elements:

- A series of timed Segments.
- A Segment consisted of one or more Layouts.
- A Layout consisted of one or more Zones.
- A Zone associated with a Playlist.
- A Playlist consisted of one or more play items

The first design console appears on your computer screen is the Playlist Window.

Create Playlists

A Playlist specifies a list of play items which refer to multi-media content files such as pictures, videos, TV programs, shockwave, banner/text messages, RSS news feed, webpage, etc. You can create different playlists and each can contain various play items.

For further information on how to add play items to the Playlist, please refer to the **Content Library** section in Chapter 5 for details.

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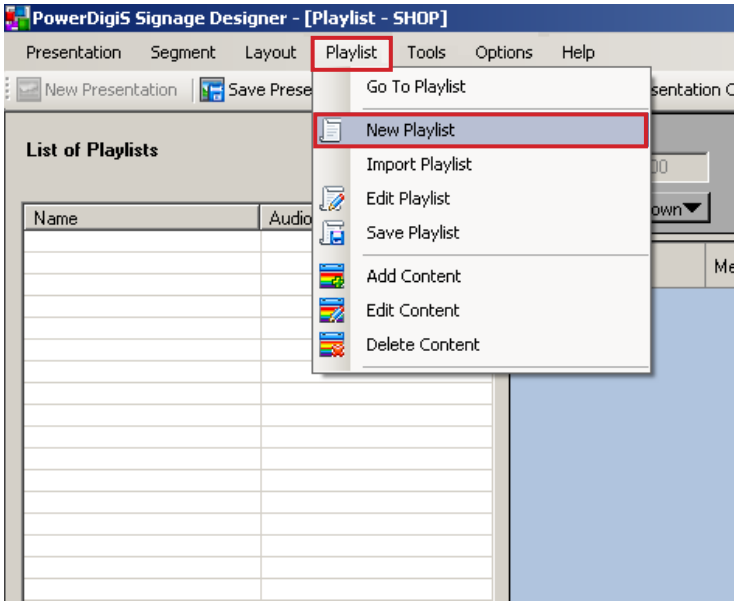
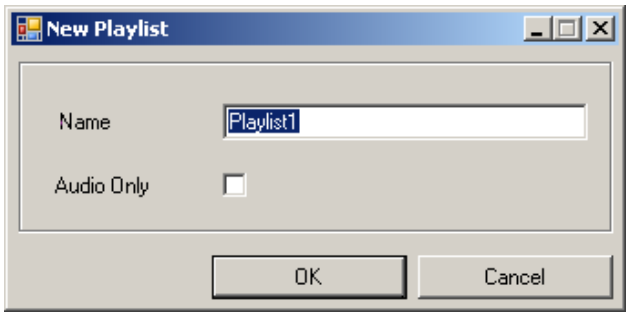
- On the **Playlist Window**, click **Playlist**, then from the drop-down menu select **New Playlist** to create a new Playlist.



- In the **New Playlist** dialog box, enter the name of the new Playlist. Check the **Audio Only** box if you want to associate an audio file to this Playlist. Then click **OK**.



- All the Playlists you created will appear in the **List of Playlists** window located in the upper left window.

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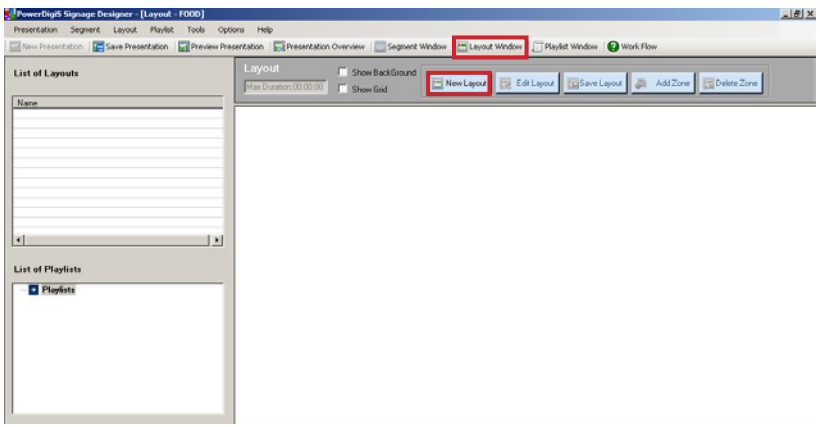
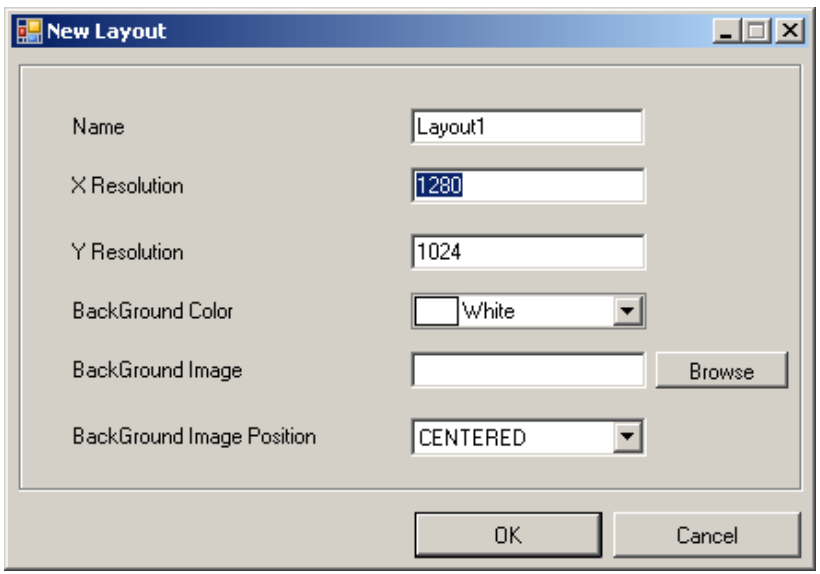
Create Layouts

The newly created layout is like a blank page. It is where you will later configure the arrangements of the zones for each Playlist. To create a new layout, you have to first select the resolution of the layout. You can also select the layout background color as well as the background image and the background image position.

- Click **Layout Window**.
- Click **New Layout** from the Add/Edit Layouts Tool Panel on the top of the screen.



- In the **New Layout** dialog box:
  - Enter the Name of the layout.
  - Enter the Resolution of the layout.
  - Select the Background Color of the layout.
  - Click **Browse** to select the Background Image you want to use for the layout.
  - Select the Background Image Position.
  - Click **OK**.



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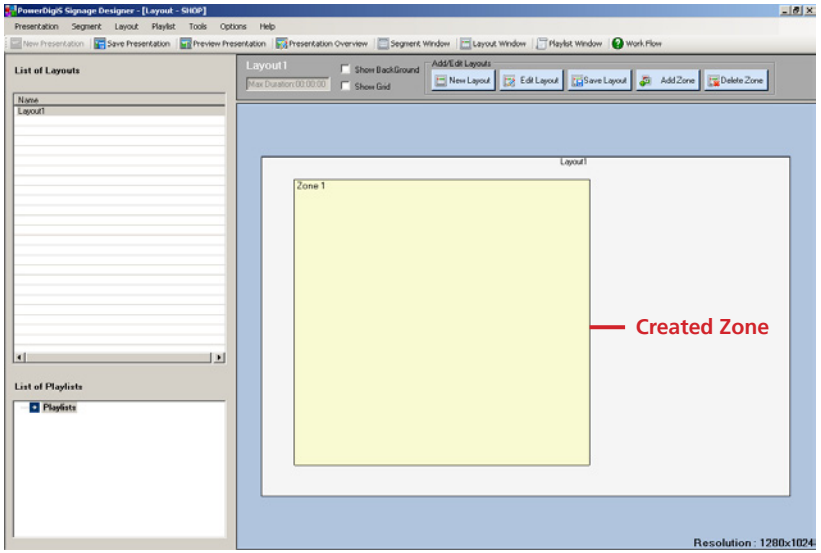
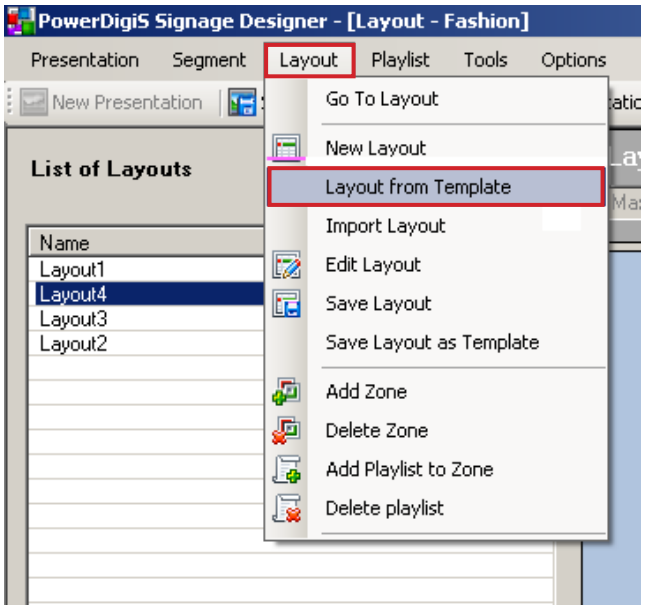
- Click **Add Zone** then drag your mouse to create a Zone in the Layout.



Currently each Layout can support up to 10 zones.

- You can also select **Layout from Template** from the Layout dropdown menu to add layout with pre-drown zones that best fit your presentation design.



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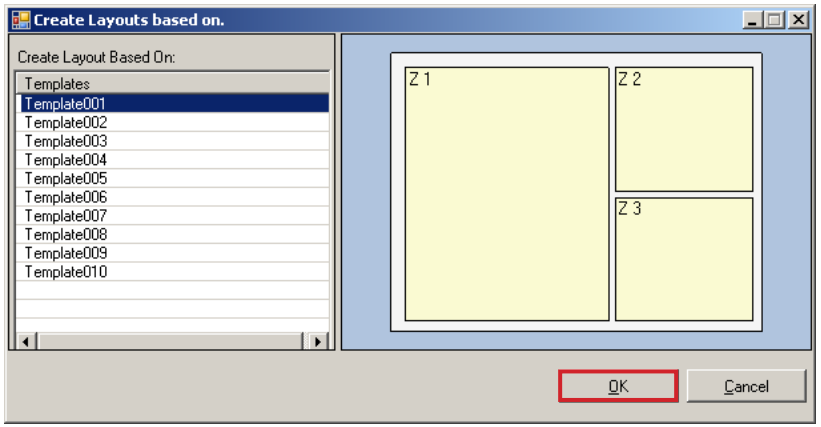
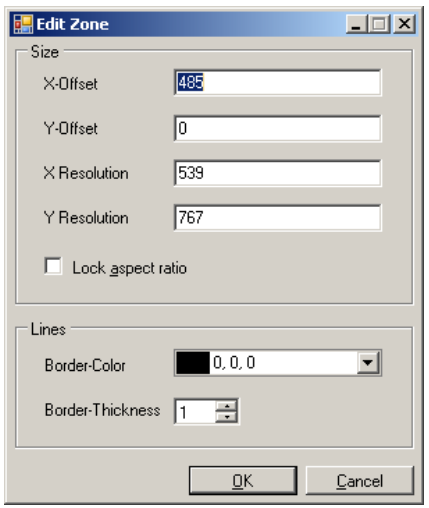


- Drag a Playlist from the **Playlists Window** to the zone. Each zone is associated with one Playlist.
- Right-click on a particular zone to edit/delete zone, edit/delete playlist or adjust the zone size.

You can only adjust the zone size based on the image size included in the Playlist.

- To edit a zone:
  - Select **Edit Zone**.
  - In the Size section, enter specific values for the offset and resolution of the zone.
  - In the Lines section, select the border color and specify the border thickness.



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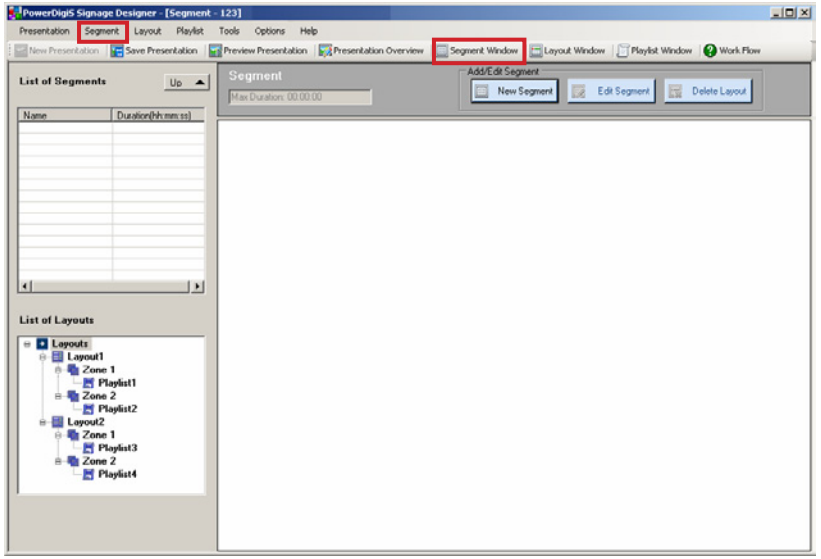
- To adjust the zone size:
  - Select Adjust Zone Size.

  - Select an image file to adjust your zone size to fit with the image size.
- Click **Save Layout** button on the top when you finished adding zones and playlists.
- Proceed to the next step by clicking **Segment Window**.

Create Segments

A presentation can be sliced into one or more segments that are associated with different layouts. Each presentation segment can be assigned individually and displayed on one or multiple display monitors.

- Click **Segment Window**.



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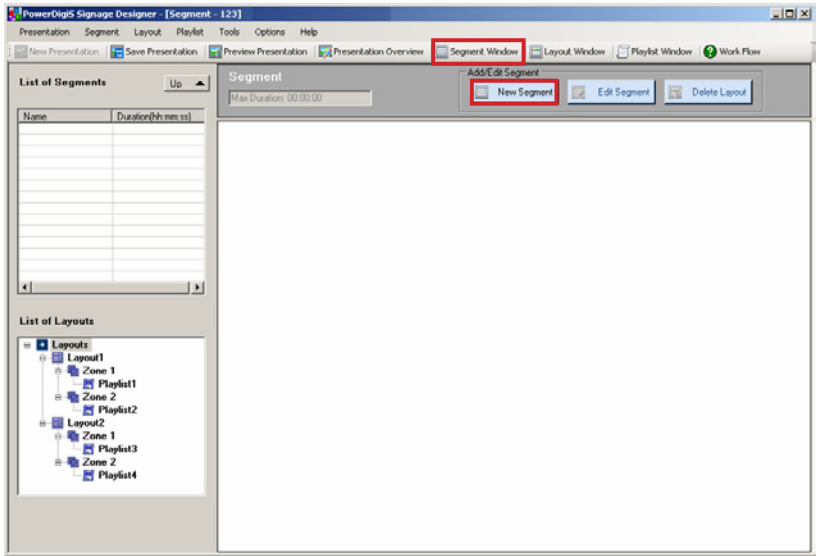
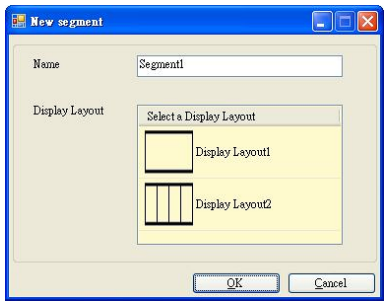
- Click **New Segment** from the Add/Edit Segment Tools Panel on the top of the screen.



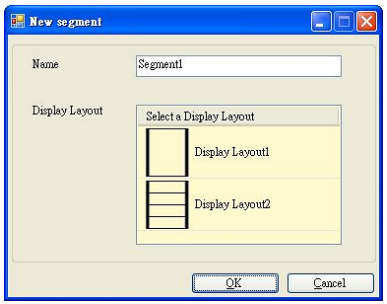
- In the New Segment dialog box, enter the name of the Segment.

  If you have previously configured the Signage Profile with multiple monitors in Horizontal, Vertical or 2x2 modes, you will see different display layout selections shown as below.

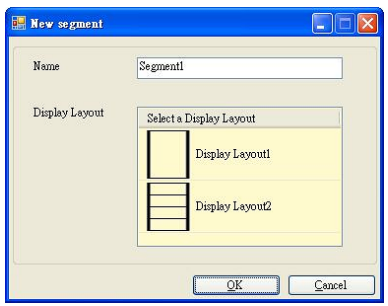
Horizontal:



Vertical:



2x2:



For these three modes, Display Layout1 allows you to assign one layout to the segment while Display Layout2 allows you to assign multiple layouts (same or different) to the segment. You can select either of them based on your layout design.

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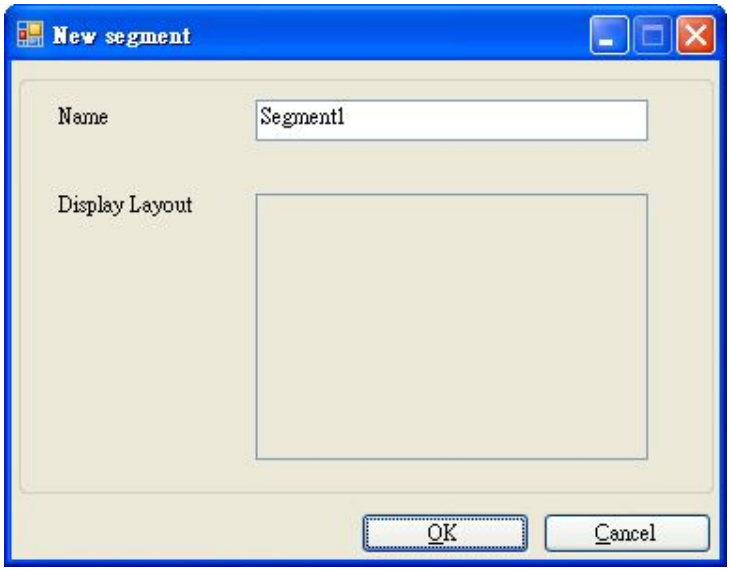
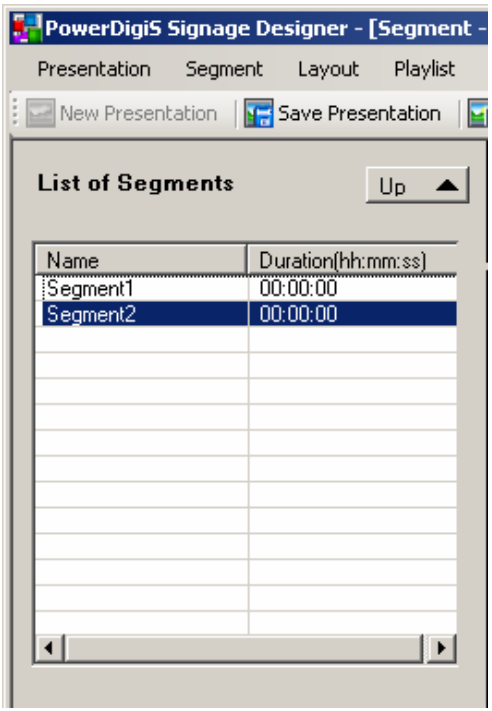
If you have previously configured the Signage Profile in Independent mode, you will see the display layout selection shown as below:



With Independent mode selected, you can create the same or different presentations for each attached monitor to the Player and set different schedule for each presentation.

Please refer to **"PDS 5541 Portrait Independent Configuration and Presentation Design"** section in **Chapter 5** for further introduction of Independent mode.

- The newly added segment will appear in the **List of Segments** window. Click **OK**.



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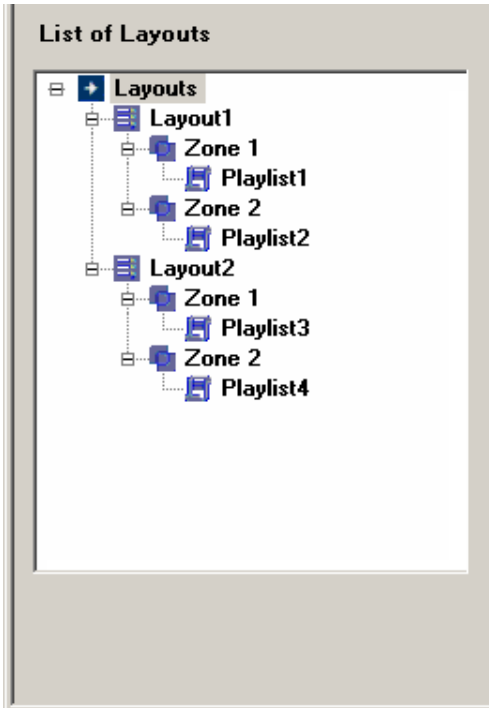
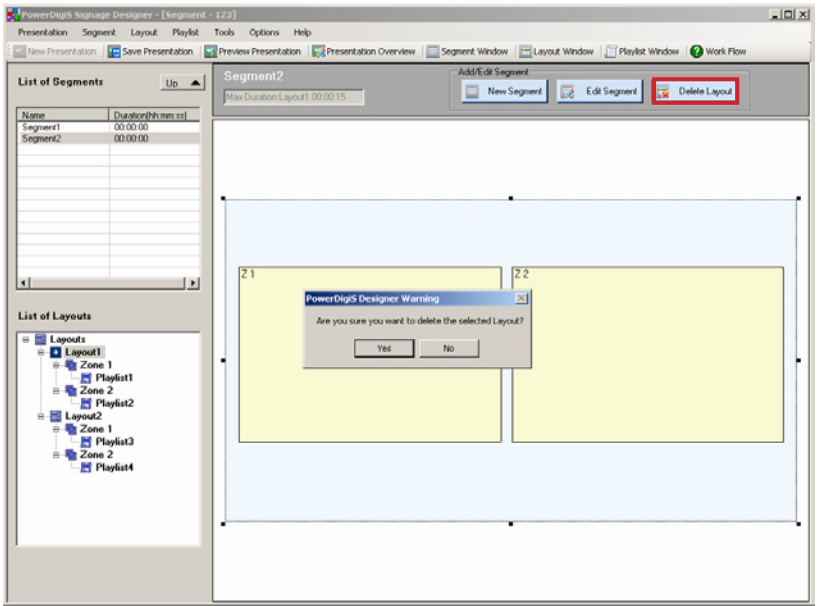
- From the **List of Layout Window**, click a Layout and drag your mouse to add the layout to the Segment area.



- Click Delete Layout button if you want to delete a Layout.



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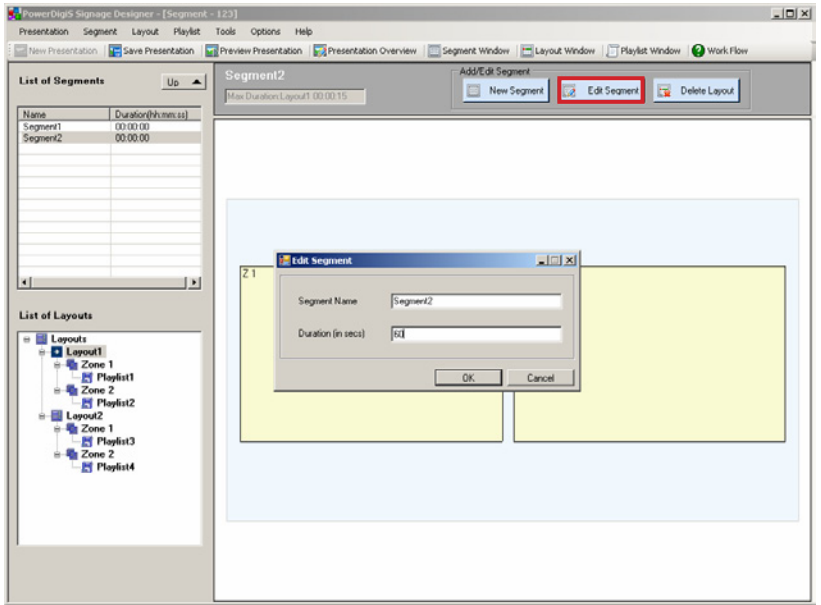
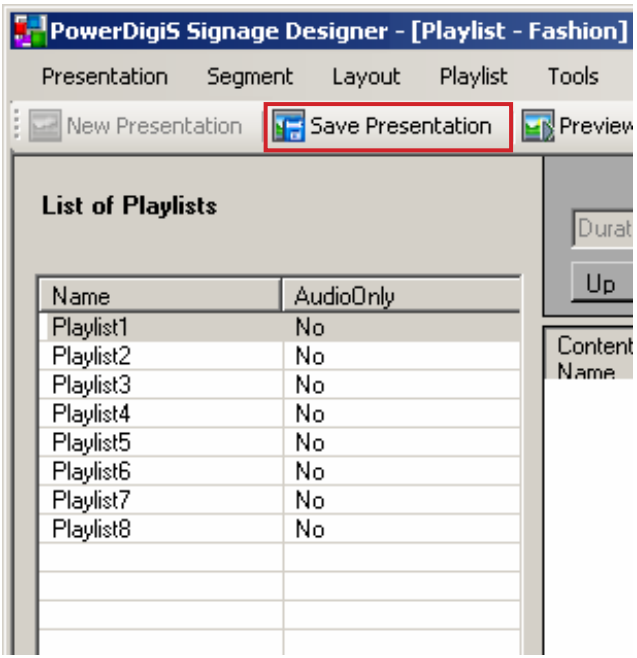
- Click **Edit Segment** button to specify segment duration.



Save Presentations

You need to save your presentation before uploading it to the Player.

- Click Save Presentation.



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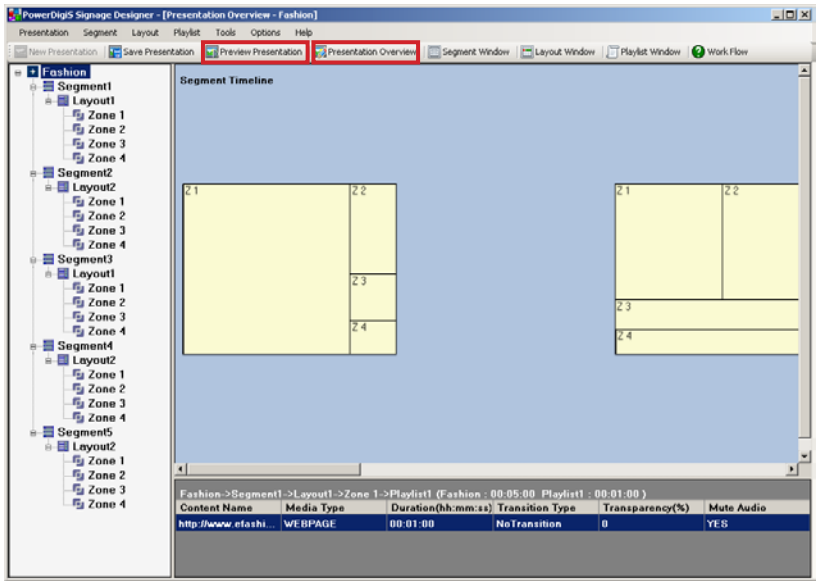
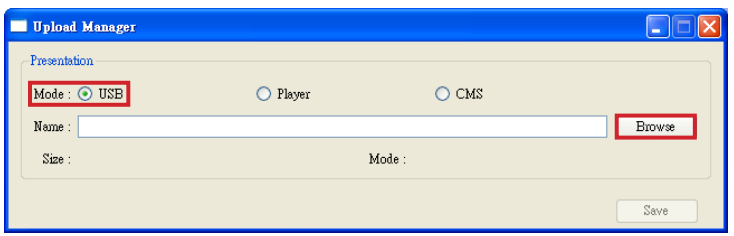
- You can watch the preview of the presentation or an overview of the presentation you just saved.
  - Click **Preview Presentation** to preview the Presentation.
  - Enter **Q** to quit preview.
  - Click **Presentation Overview** to view Presentation design details.

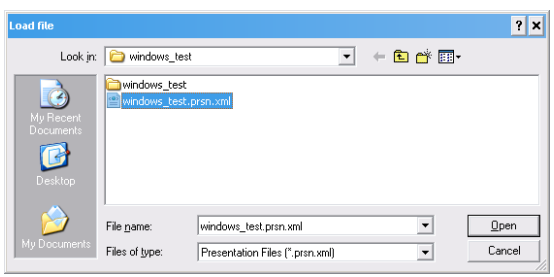


Upload a Presentation through Upload Manager

You can now upload the presentation. The Upload Manager enables you to upload the complete presentation package, including the presentation content files, to the USB drive, the Player and the CMS.

- Uploading a Presentation to a USB drive
  - From the **Tools** drop-down menu, click **Upload** Presentation to open **Upload Manager**.
  - Select **USB**.
  - Click **Browse** to select the presentation file you want to upload to the USB drive.





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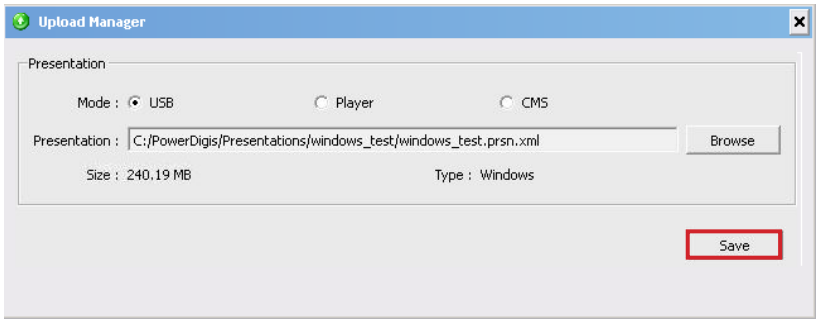
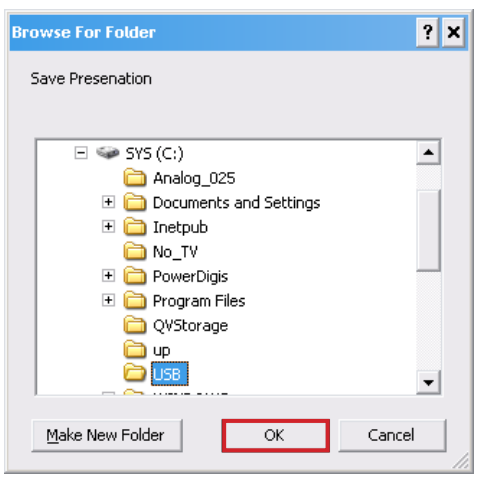
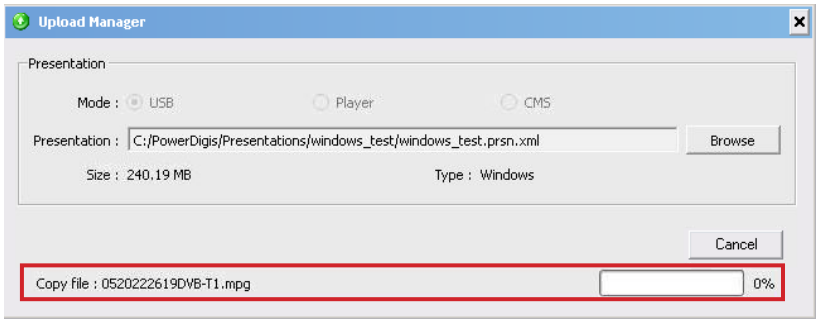
- The Size and the Mode of the presentation file will appear on the screen.
- Click **Save**.



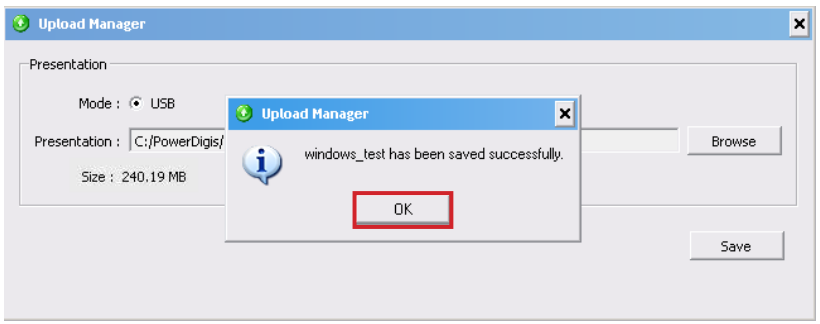
- Specify the USB drive location then click OK.



- You can view which is file is being copied and upload progress on the screen.



- A window will pop up informing you the presentation has been saved successfully.



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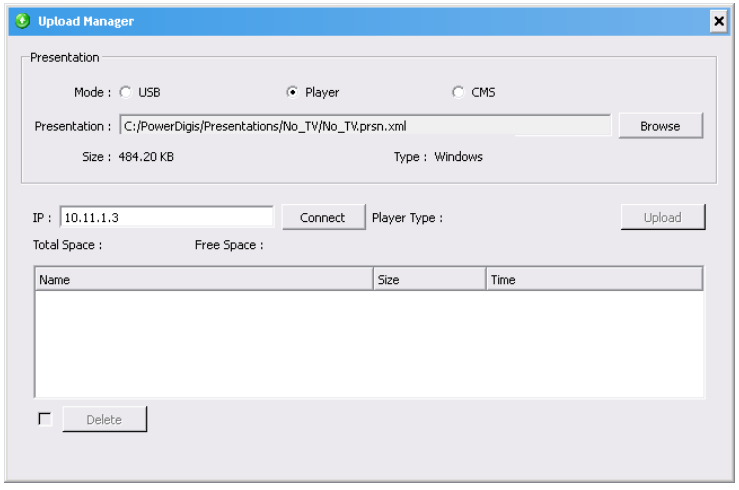
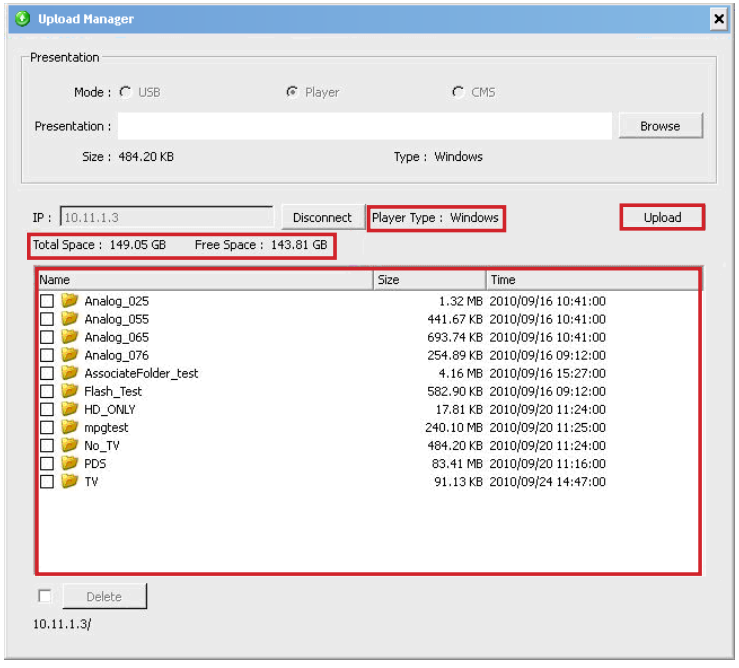
- Uploading a Presentation to the Player
  - From the **Tools** drop-down menu, click **Upload Presentation** to open **Upload Manager**.
  - Select **Player**.
  - Click **Browse** to select the presentation file you want to upload to the Player.
  - The Size and the Mode of the presentation file will appear on the screen.
  - Enter the Player IP address then click **Connect**.



Please note that the presentation file mode must be the same with the Player mode.

  - After connected, the Total Space and Free Space of the Player as well as the Player Mode will be shown on the screen. The presentations currently on the Player will also be listed.
  - Click **Upload** to upload the presentation.



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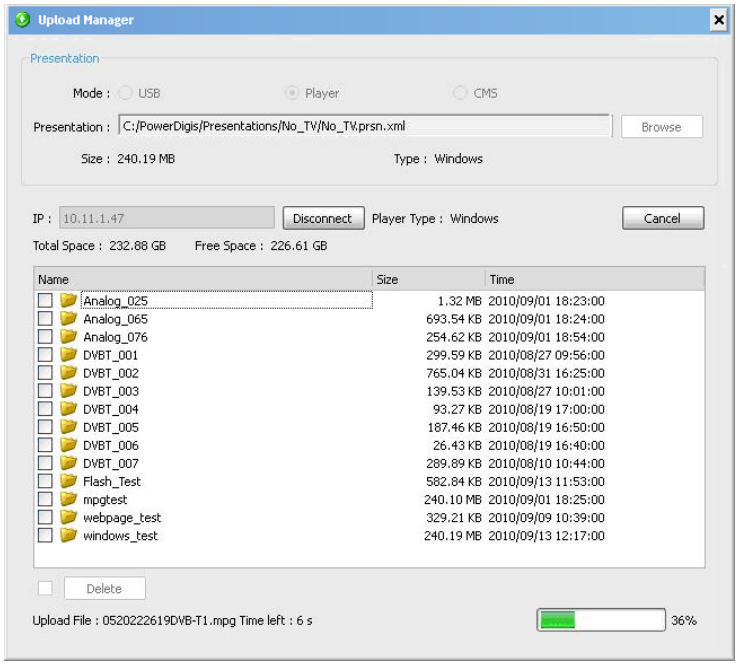
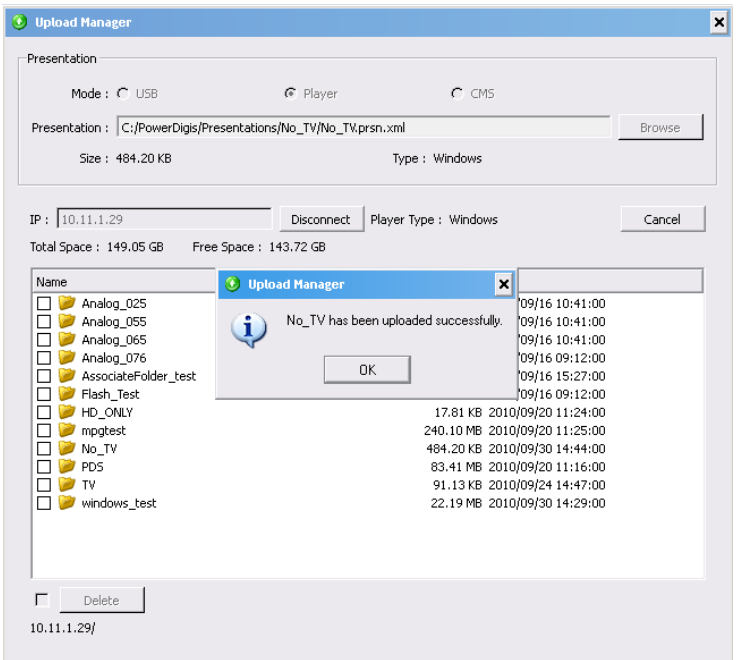
- You can view which file is being copied and the upload progress on the screen.



- A window will pop up informing you the presentation has been uploaded successfully.



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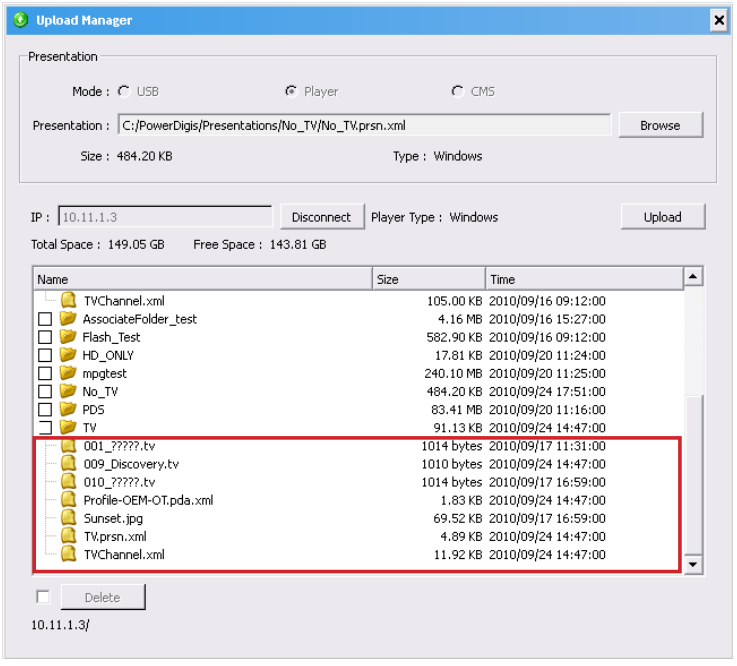
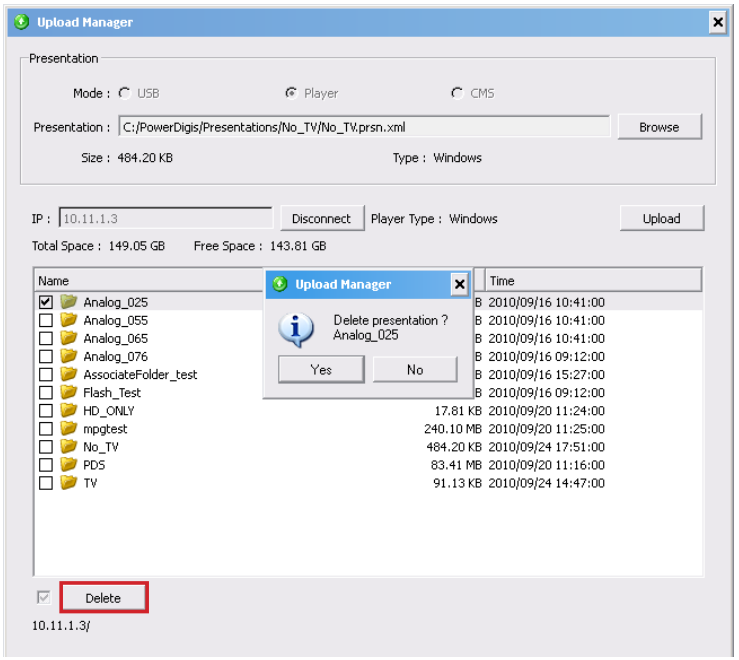
- Double click on a specific presentation name to view the presentation details.



- If you want to delete a particular presentation, select the presentation then click **Delete**.



- Uploading a Presentation to CMS Server
  - From the **Tools** drop-down menu, click **Upload Presentation** to open **Upload Manager**.
  - Select **CMS**.
  - Repeat the steps in **Uploading a Presentation to Player** to upload a presentation to CMS.

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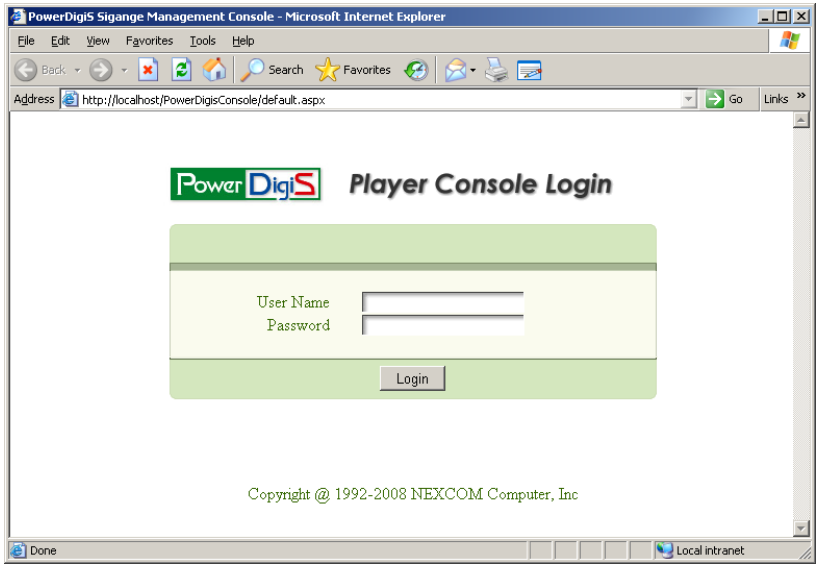
Log into the Player Web Management Console

After you have uploaded the Presentation to the Player, you can now login to Player web management console for scheduling, publishing and playing the Presentation. If you are operating on the Player machine, open the Player Management Console from the Start menu on Windows desktop

Click **Start**->**All Programs**->**PowerDigiS**->**PowerDigiS Signage Player**->**Schedule and Manage Presentations**.

You can also launch the Player Management Console from remote PC. Open the web browser then enter the URL **http://[player_ip]/PowerDigisConsole/Default.asp**. Please note that the Player_ip is the player network IP address.

Once you see the Player console login page, enter the user name and password. The default username is "administrator" and password is "welcome"



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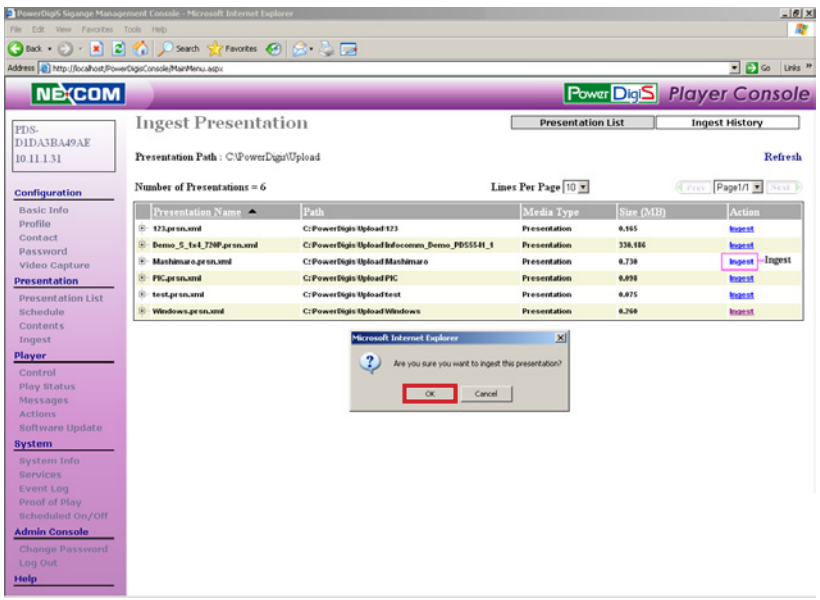
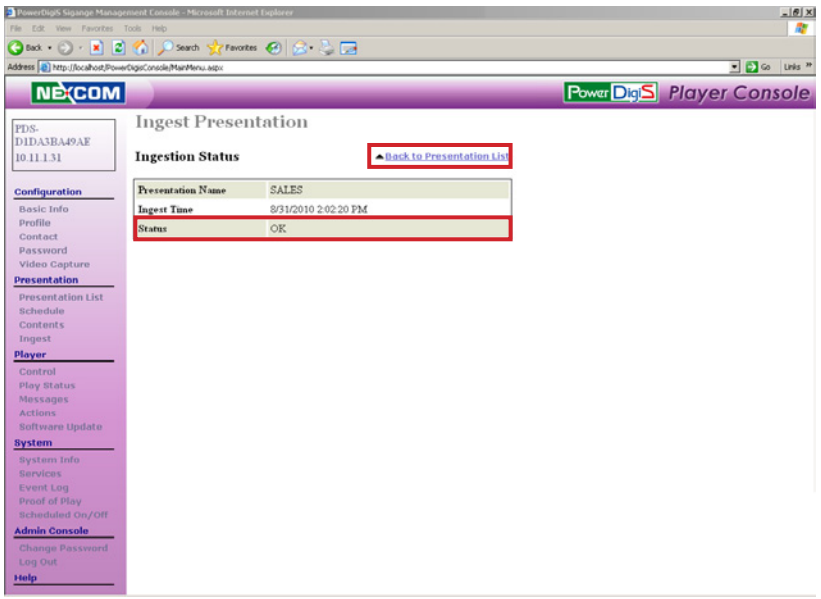
Ingest a Presentation

- Once you have successfully logged into the Player Web Management Console, click **Ingest** on the left column of the Player console screen. A list of Presentation files previously uploaded will appear in the Ingest list. You need to ingest a presentation first before scheduling it.
- Select a Presentation and then click **Ingest**. A message will appear asking if you want to ingest the presentation, click **OK** so that the Presentation will be saved into the Presentation List database for scheduling.



- The status of the presentation you ingested will be shown on the screen.



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An error messages may occur if any of the following scenarios exists:

- The presentation profile does not match with player profile definition.

Presentation Name	1920x1080
Ingest Time	9/14/2010 3:05:31 PM
Status	ERROR: PDU XResolution of the presentation profile does not match with player profile definition.:1920

- The Signage Profile with correct resolution is missing.

Presentation Name	1x2
Ingest Time	9/14/2010 3:04:18 PM
Status	Signage definition profile file missing. File:C:\PowerDigis\Upload\1x2\Profile-1x2.pda.xml

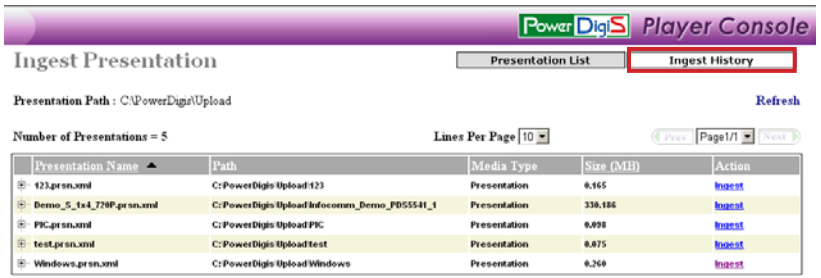
- There's a missing file in the uploaded Presentation folder.

Presentation Name	Fashion
Ingest Time	9/14/2010 10:36:48 AM
Status	Media file missing. File:C:\PowerDigis\Upload\Fashion\Dolphins_720.wmv

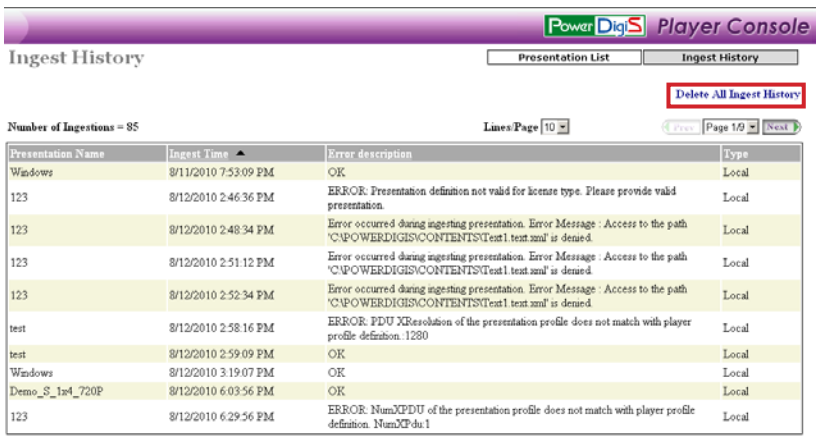
- The content file name is duplicated in the Contents folder.

Presentation Name	Mashimaro
Ingest Time	8/17/2010 3:45:40 PM
Status	Error occurred during ingesting presentation. Error Message : Access to the path 'C:\POWERDIGIS\CONTENTS\Text5.text.xml' is denied.

- Click **Back to Presentation List** to ingest more presentations.
- To view the history of the ingested presentation, click **Ingest History**.



- If you want to delete the history, click **Delete All Ingested History**.



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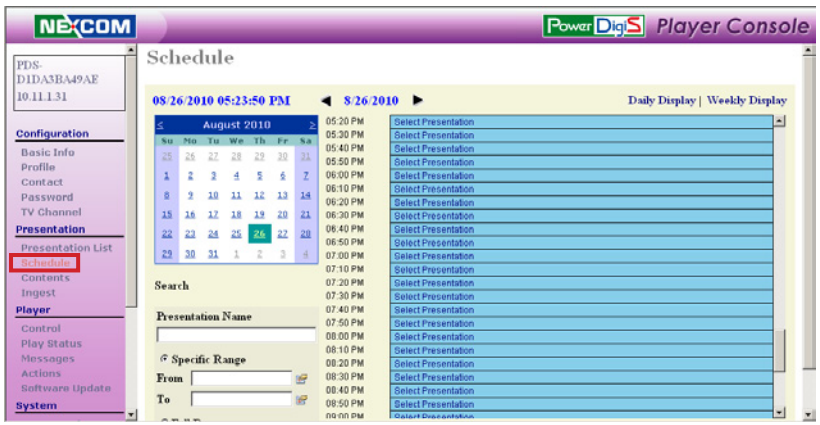
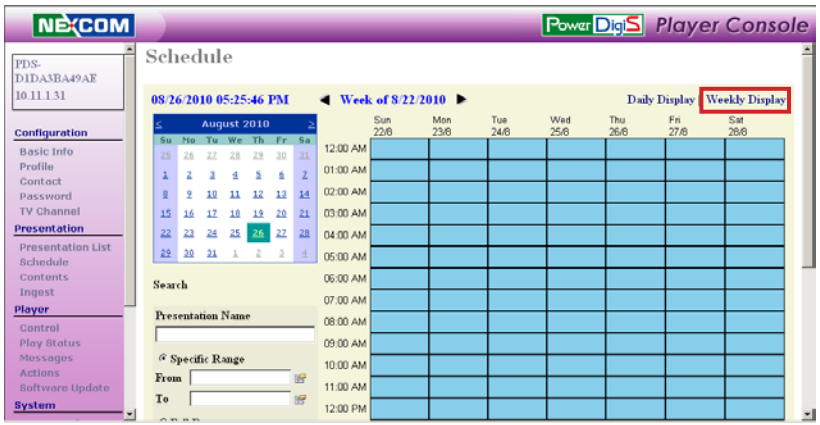
Schedule the Presentation

You can now begin to schedule the date and time you want to play the presentation. The Presentation Scheduler function allows you to schedule presentations to be played back in certain destination at specific period times and sequences. Presentations can be displayed daily, weekly, monthly, yearly or at multiple times within one day.

- On the left column of the Player Console screen, click **Schedule**.



- The schedule interface shown here is on a daily basis. Please make sure the date and time information is correct before scheduling a presentation to the Player.
- You can also view the schedule on a weekly basis by clicking **Weekly Display**.



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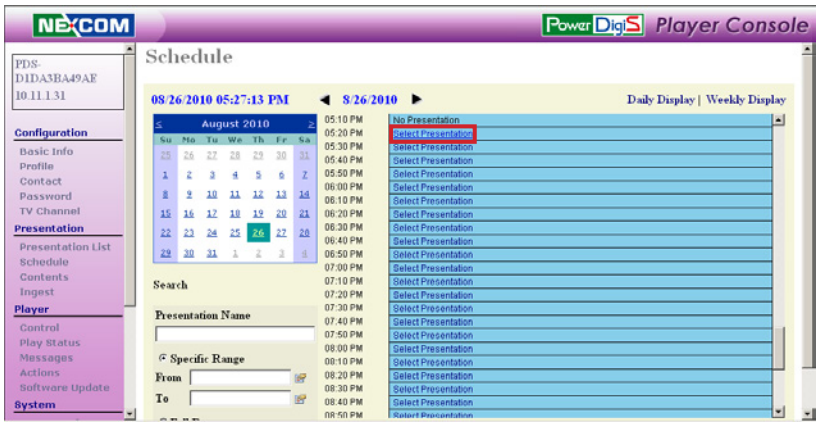
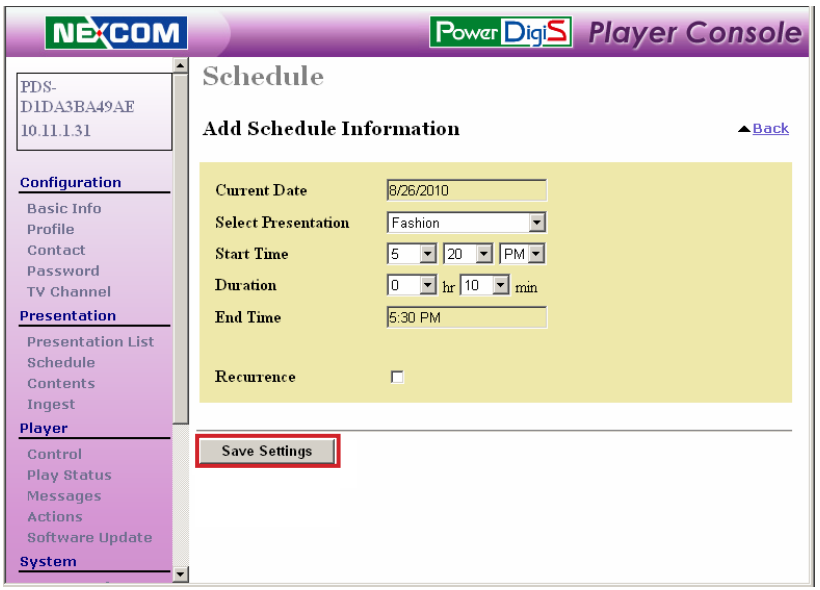
- To schedule a presentation, select the date then click **Select Presentation** in the exact time slot



- On the **Add Schedule Information** Page, you can see the date you selected in last step shown in the **Current Date** field. Now select the presentation to be scheduled from the drop-down menu, specify the Start Time, Duration then click **Save Settings**.



Note that you cannot make a schedule where the start time is earlier than the current time.

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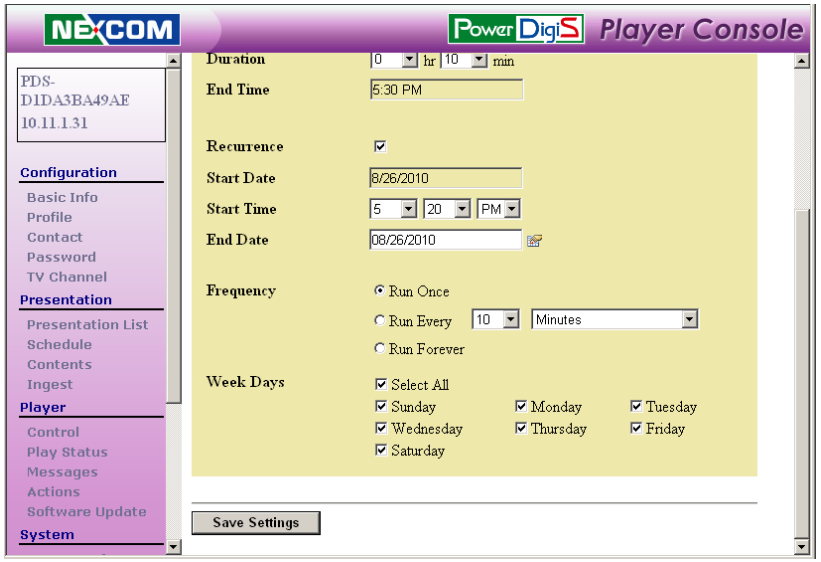
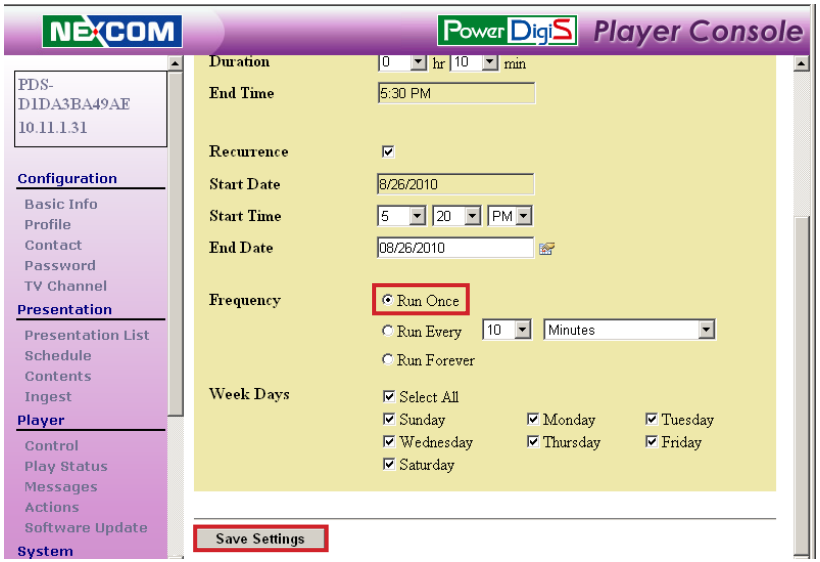
- If you want to set a recurrence pattern for the presentation, check **Recurrence**.
- The recurrence options will appear allowing you to select the recurrence pattern, such as **Start Date**, **Start Time**, **End Date**, **Frequency** and **Week Days**.



- Select Run Once to play presentation once only. Click **Save Settings**.



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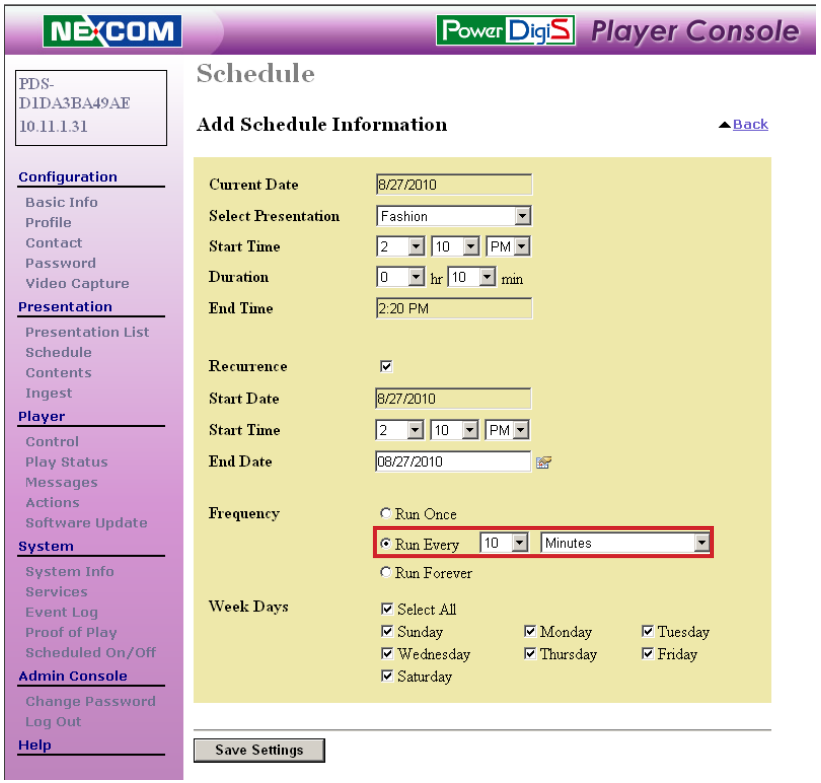
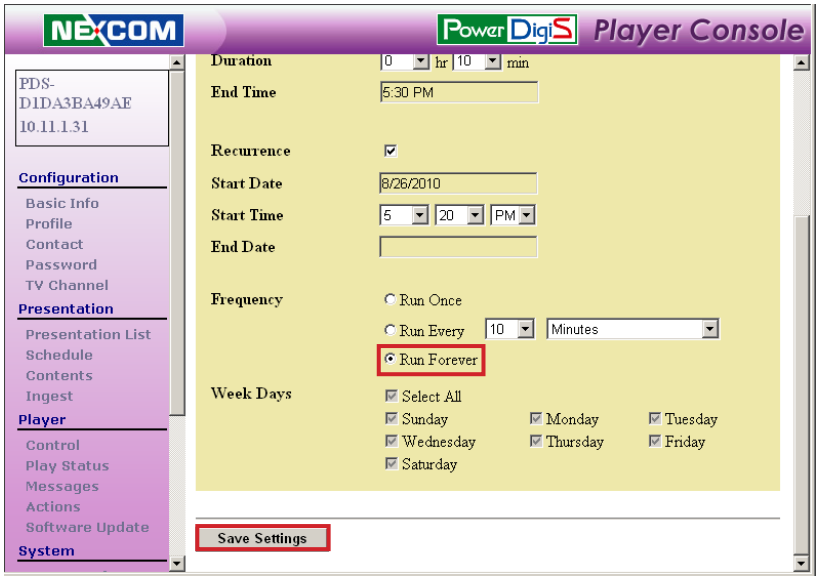
- If you want to play presentation periodically, specify the frequency. Click **Save Settings**.



- The screen below shows the recurrence pattern of the presentation that was played according to the date and time set earlier, which is the presentation being played every 10 minutes.
- If you have selected the frequency to **Run Forever**, then you cannot select an **End Date**. Click **Save Settings**.



- Repeat the above steps to schedule another presentation.

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Launch the Player to Play Presentation

After you have scheduled the presentation, you have to launch the Player first to play the presentation.

- Click **Control** on the left column of the Player Console screen.
- On the Player Control page, select **Launch Player** from the Actions dropdown menu. Click **GO**.

- Your presentation is now playing.

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Chapter 4: Player Web Management Console

Introduction

After the presentation scheduling and publishing is complete, you can go on with managing the Player's configuration and system setting from the Player Web Management Console.

The Player Web Management Console interface contains four major sections, including Configuration, Presentation. Player and System and Admin Console information. This chapter will provide you with the thorough introduction of the Player console functions and operations.

Enter the Player's Basic Information

Basic Info provides you with Player configuration overview, including Player System Name, Player System Location, Player Version, Player Network IP Address and Play Type. You can change the Player name and location if necessary.

- On the left column of the Player Console screen, click **Basic Info**.
- Enter the Player's name and the location of the Player.
- Click **Save Settings**.

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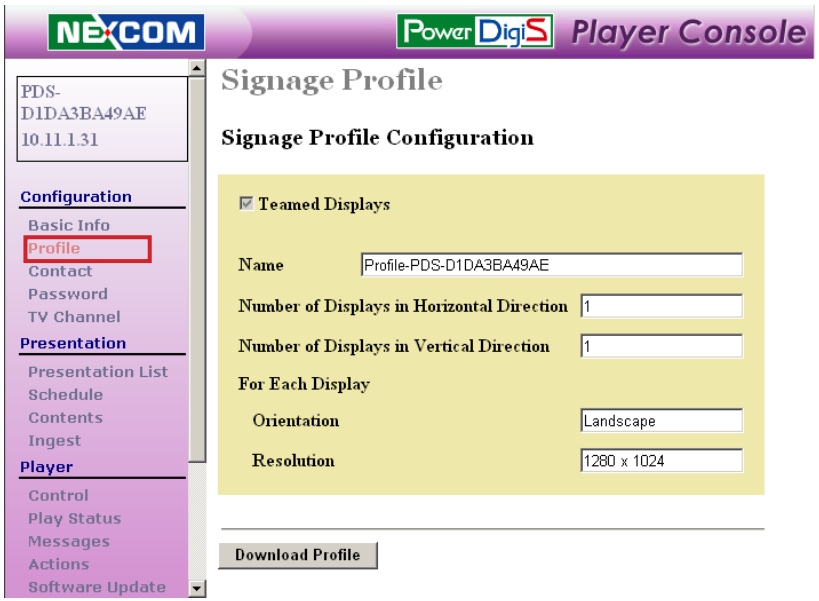
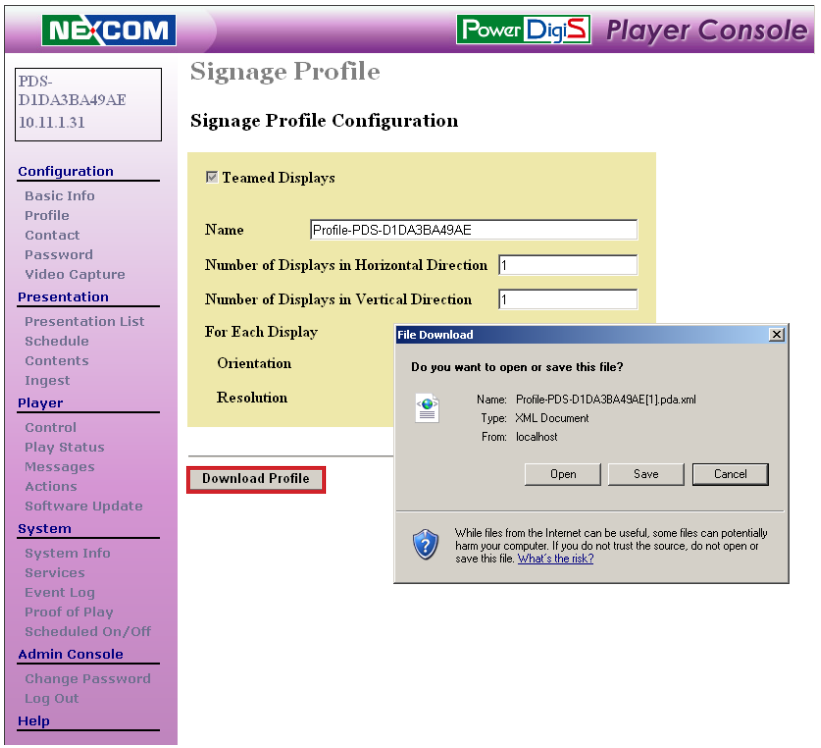
Download the Signage Profile

Profile button allows you to view Signage Profile configuration and download the Profile.

- On the left column of the Player Console screen, click **Profile**.



- Click **Download Profile** to download the Signage Profile.



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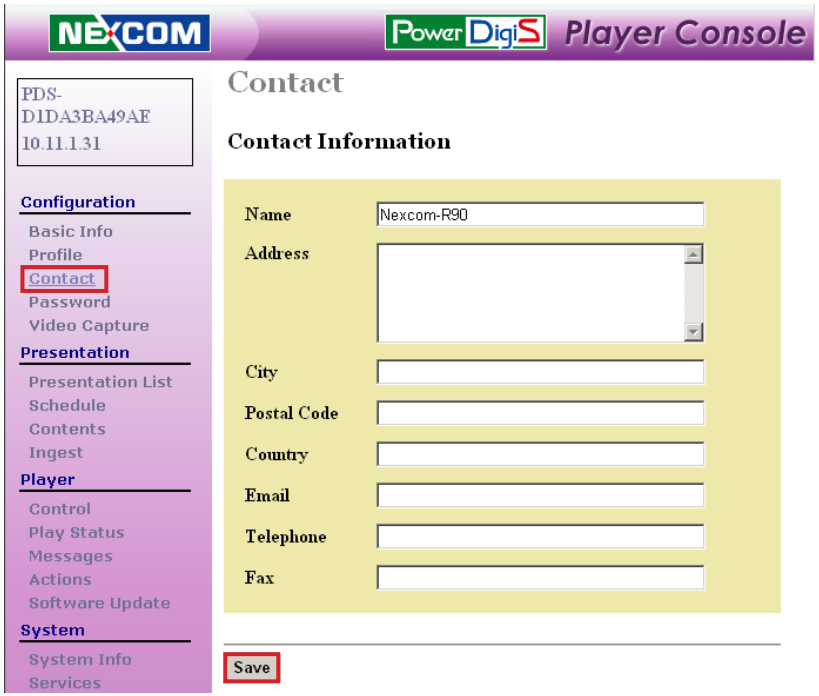
Enter the Contact Information

- On the left column of the Player Console screen, click **Contact**.
- Enter the contact information such as name, address, phone number, etc.
- Click **Save**.



Change the Password

This password is used to switch display screen from current displayed presentation to Windows desktop. The default password is "password". You can change the password by doing the following:

- On the left column of the Player Console screen, click **Password**.
- Enter the old password first then the new one.
- Confirm the new password then click **Save Settings**.

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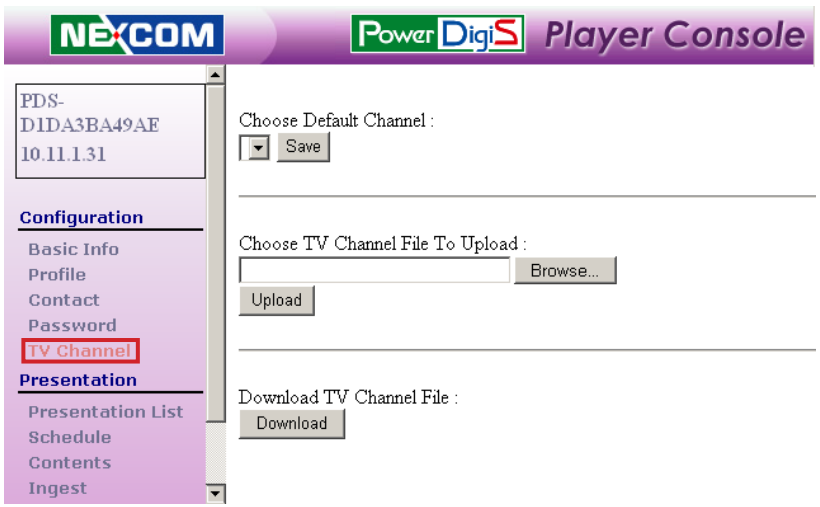
Select a TV Channel to Play on the Player

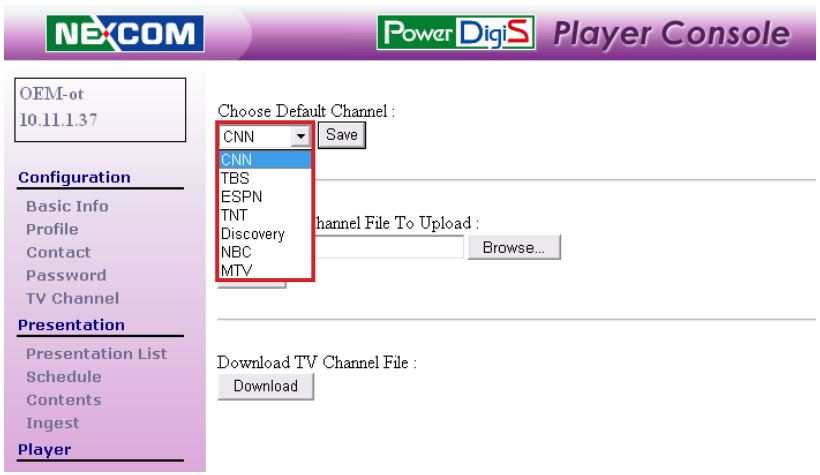
The TV Channel button allows you to choose a Default channel to play on the Player, upload and download a TVChanne.xml file.

- On the left column of the Player Web Management Console, click **TV Channel**.



Choose a Default Channel

- To change a default channel, select a different TV channel from the dropdown menu. Click **Save**.
- If there is a TV Signage presentation currently being displayed, the Player will be automatically launched again to play the newly-selected channel.



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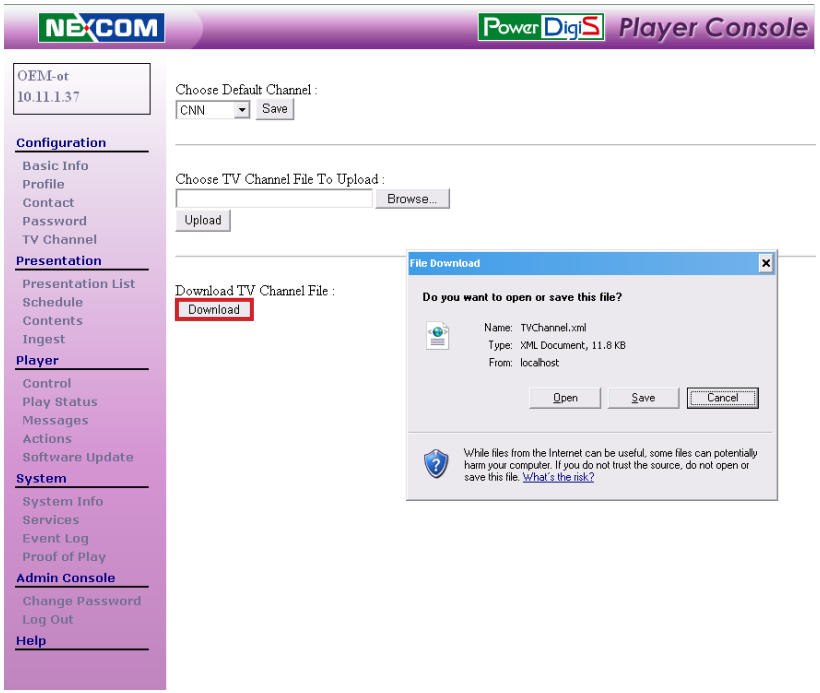
Choose a TV channel file to upload

- You can also choose to upload a different TVChannel.xml file. Click **Browse** to locate the file then click **Upload**.
- When the file has been uploaded successfully, you need to refresh the window for the new channels to appear in the default channel list.

- If you want to download a TVChannel.xml file, click **Download**.



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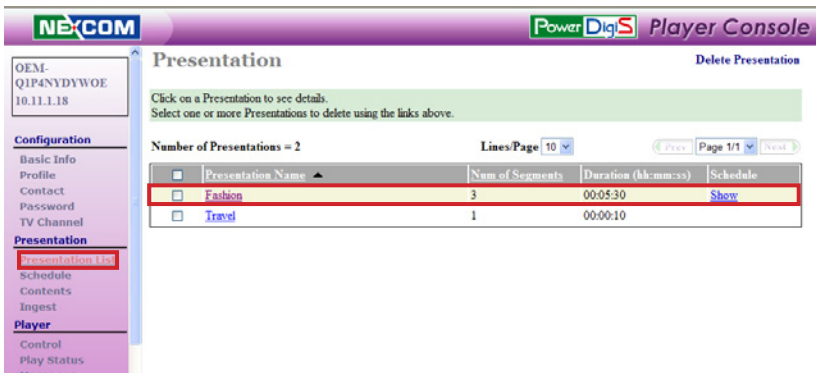
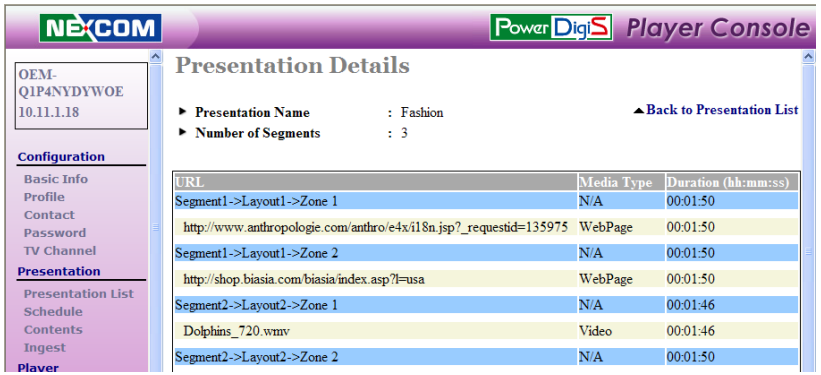
Presentation List

You can view Presentation details of any presentation file from the Presentation List.

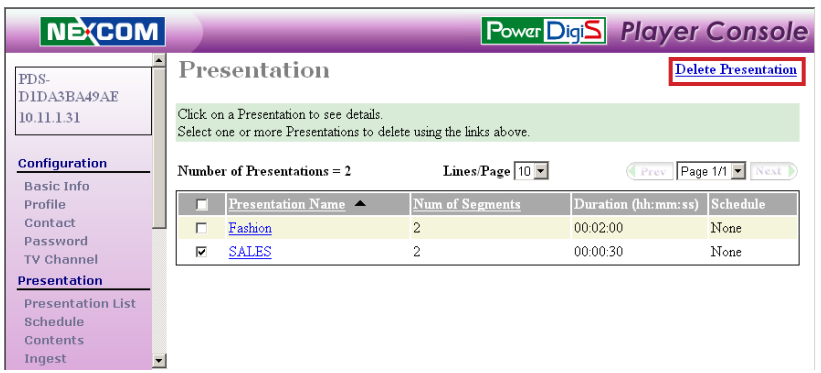
- On the left column of the Player Web Management console, click **Presentation List**. A list of presentation files will appear under the Presentation Name section.



- To view the detailed information about a particular presentation file, click on the presentation file.



- If there are presentations you do not want to include in the Presentation List, select the presentation and then click **Delete Presentation**.



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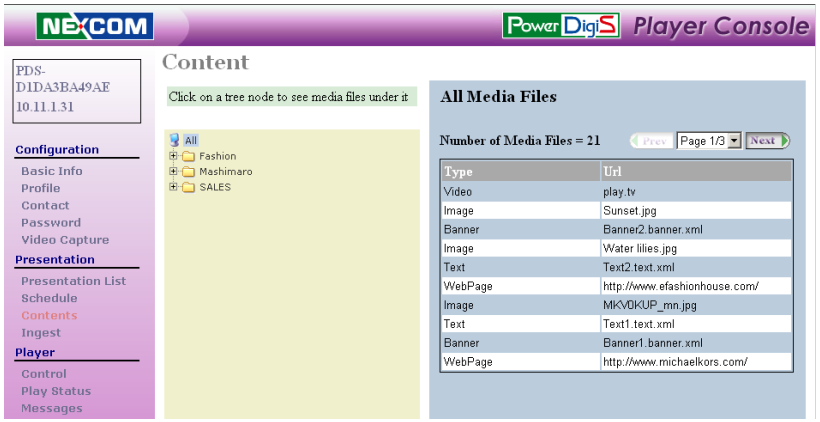
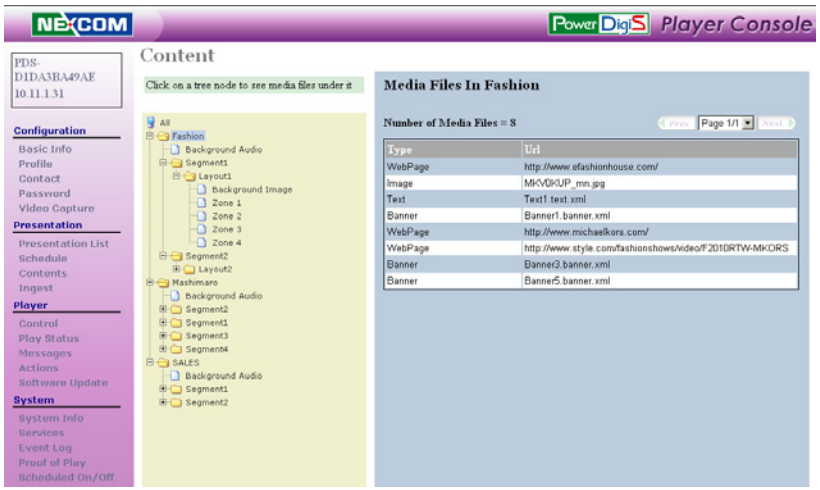
View Presentation Contents

- To view the presentation contents, click **Contents** on the left column of the Player console screen.



- Click a folder to view the media files in that folder.



Player Control

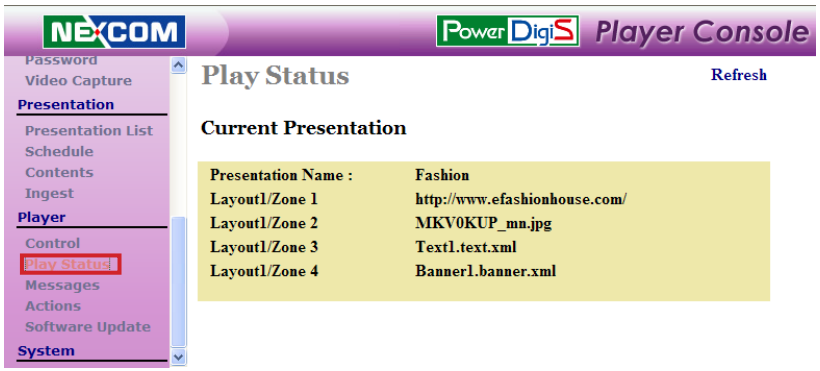
You must invoke the Player's program by launching it before you can control its status such as when to Start, Stop or Pause the Player.

- On the left column of the Player Console screen, click **Control**.
- In the Action drop-down menu, click **Pause Player**, **Stop Player** or **Close Player** then click **GO**.

If you have previously stopped the Player, you have to start the Player first so that you can launch it again.

View Player Status

You can view the information about which presentation is currently being displayed by clicking **Play Status** on the left column of the Player Console screen.



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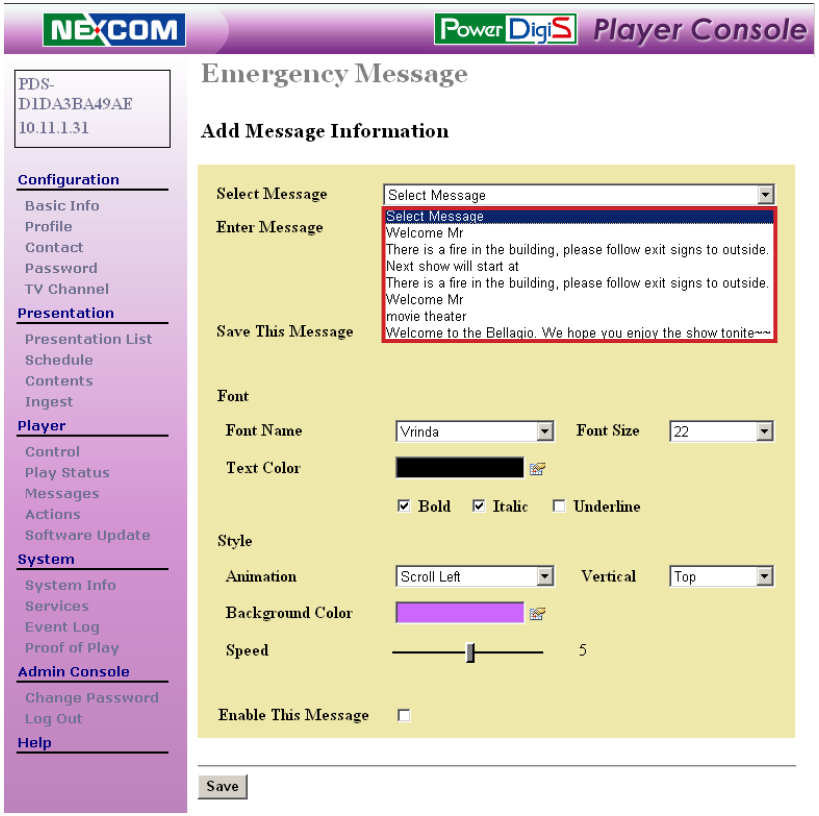
Send Instant Message

If you need to display urgent message on the player monitor screen, the Player Web Management Console allows you to send quick emergency messages to the Player through signage network in a short time without the need to walk through the presentation design and scheduling process

This feature can be applied to broadcast news, emergency message, new advertisement or product promotion information at any given time.

- On the left column of the Player Console screen, Click **Messages**.
- From the Select Message drop-down menu, select a message and click **Save This Message**.



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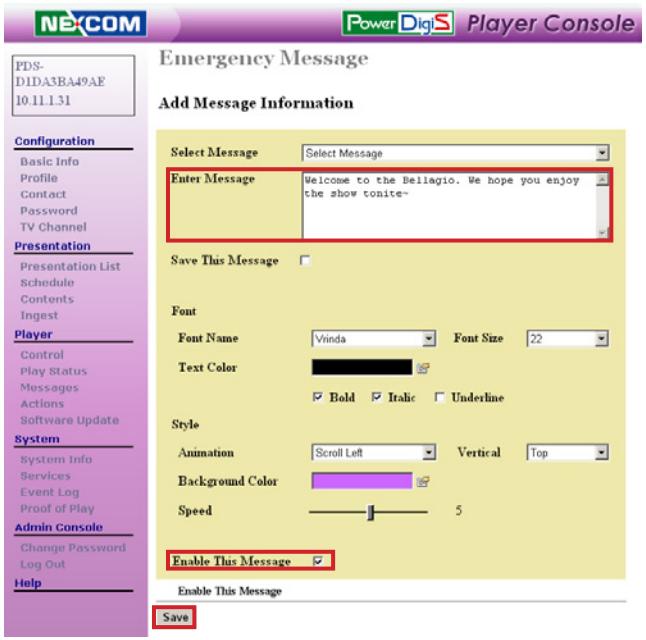
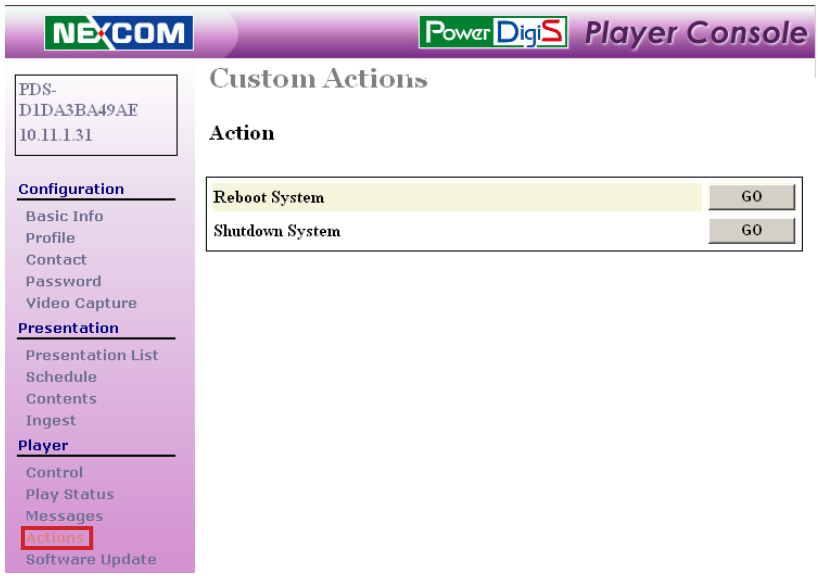
- You can also compose your own message in the **Enter Message** field.
- After entering the message, you can further format the message by:
  - Configuring the **Font**
  - Adding **Animation** effect
  - Selecting **Background Color**
  - Adjusting the **Speed** for the Animation effect

After you have finished the setting, click **Enable This Message**, then click **Save**.



Reboot/Shutdown the System

- If you want to reboot or shutdown the Player System, click **Action** on the left column of the Player Console screen.
- Select Reboot System or Shutdown System, then click **GO**.



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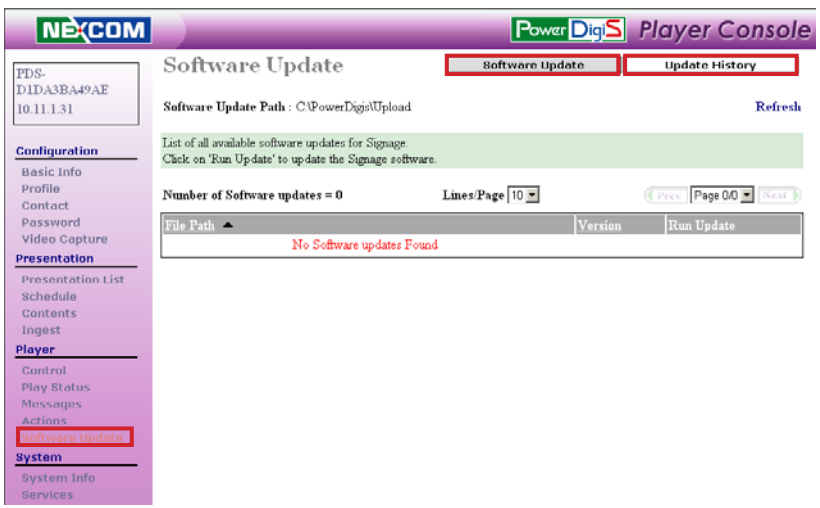
Software Update

Software Updates page lists all available software updates for the Signage Player and allows you to run software update and view update history.

- On the left column of the Player Console screen, click **Software Update**.
- A list of available software patches will appear. Click **Software Update** to update the software.
- Click **Update History** to view a list of previous updates.



View the System Information

You can view OS and hardware information for the Signage Player on System Information page.

- On the left column of the Player Console screen, click **System Info**.
- Information about the system such as the operating system, processor, memory, etc, will appear on the screen.

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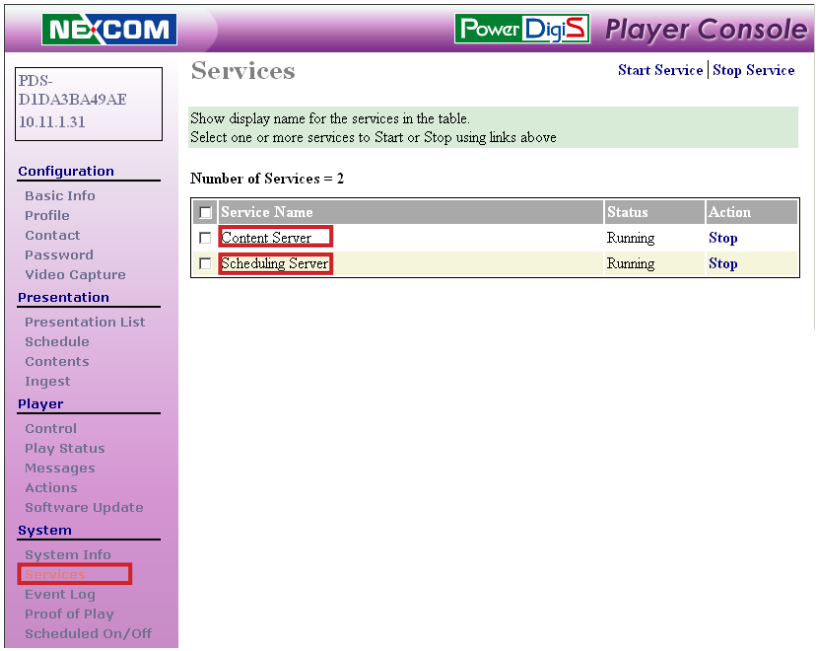
System Maintenance

System Maintenance page allows you to request for a service of the Content Server or the Scheduling Server.

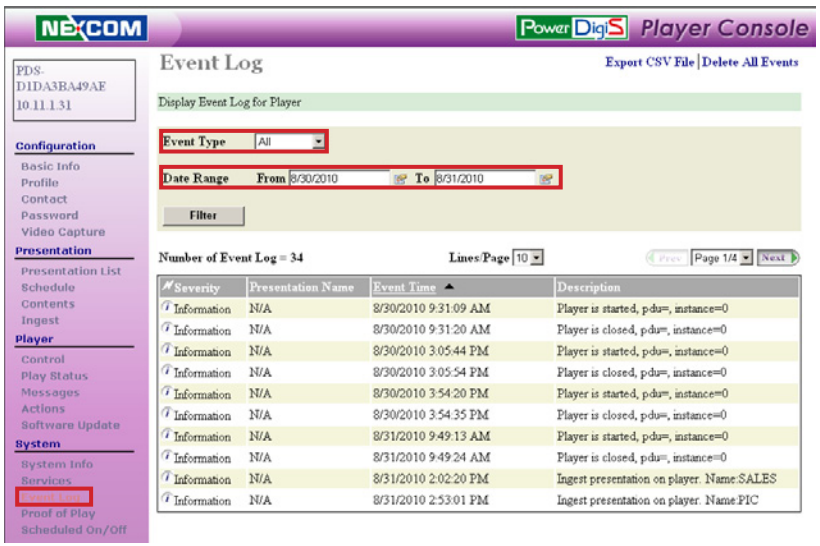
- On the left column of the Player Console screen, click **Services**.
- Select **Content Server** or **Scheduling Server**.
- Select Start Service or Stop Service anytime you want to start or stop the system maintenance service.



Display Event Log of the Player

Event Log page provides you with information on different types of Payer Event Logs, including Alert, Warning, Information and Debug messages. You can select to view all messages or just a particular type of message by filtering messages with a specified date range.

- On the left column of the Player Console screen, click **Event Log**.
- You can choose the Event Type and the Date Range of the log you want to view. A list of event log and information about each log such as event time, description, etc., will appear on the screen.



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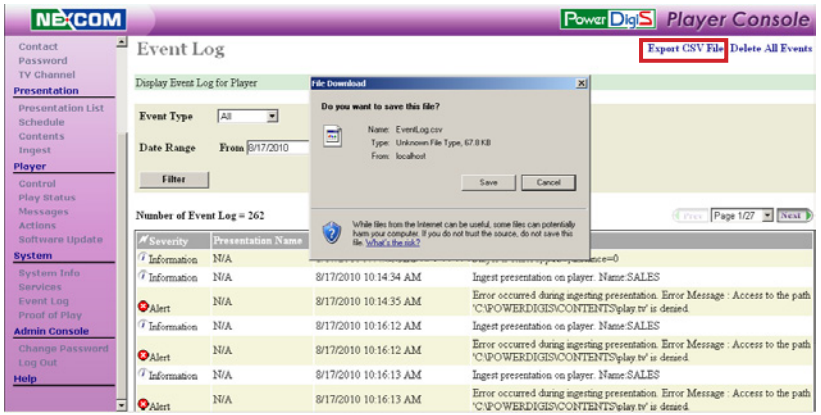
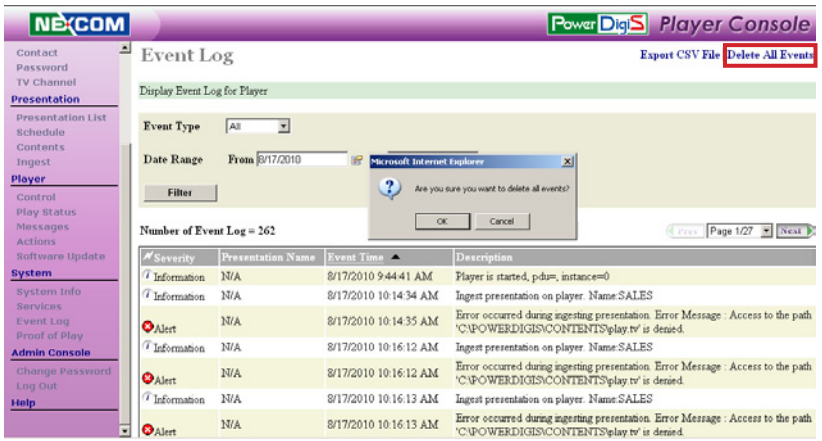
- Click **Export CSV File** on the upper right of the screen if you want to save a specific event log file.


NEXCOM
PowerDigiS Player Console
Event Log
Export CSV File
Delete All Events
Display Event Log for Player
File Download
Do you want to save this file?
Name: EventLog.csv
Type: Unknown File Type, 67.8 KB
From: localhost
Save
Cancel
While files from the Internet can be useful, some files can potentially harm your computer. If you do not trust the source, do not save this file. What's the risk?
Event Type
All
Date Range
From 8/17/2010
Filter
Number of Event Log = 262
Page 1/27
Next
Severity
Presentation Name
Information N/A
Information N/A 8/17/2010 10:14:34 AM Ingest presentation on player. Name:SALES
Alert N/A 8/17/2010 10:14:35 AM Error occurred during ingesting presentation. Error Message : Access to the path 'C:\POWERDIGIS\CONTENTS\play.tv' is denied.
Information N/A 8/17/2010 10:16:12 AM Ingest presentation on player. Name:SALES
Alert N/A 8/17/2010 10:16:12 AM Error occurred during ingesting presentation. Error Message : Access to the path 'C:\POWERDIGIS\CONTENTS\play.tv' is denied.
Information N/A 8/17/2010 10:16:13 AM Ingest presentation on player. Name:SALES
Alert N/A 8/17/2010 10:16:13 AM Error occurred during ingesting presentation. Error Message : Access to the path 'C:\POWERDIGIS\CONTENTS\play.tv' is denied.
Contact
Password
TV Channel
Presentation
Presentation List
Schedule
Contents
Ingest
Player
Control
Play Status
Messages
Actions
Software Update
System
System Info
Services
Event Log
Proof of Play
Admin Console
Change Password
Log Out
Help

- If you want to delete all event logs, click **Delete All Events**.



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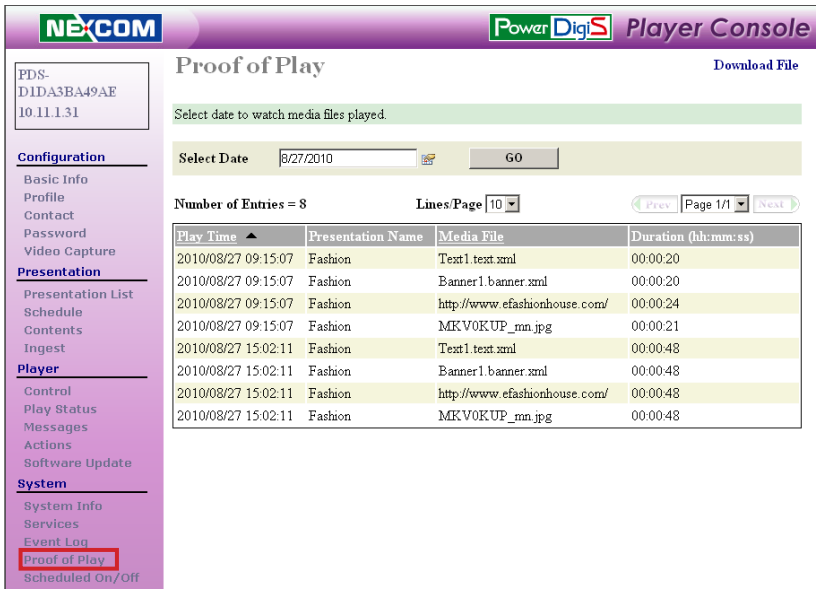
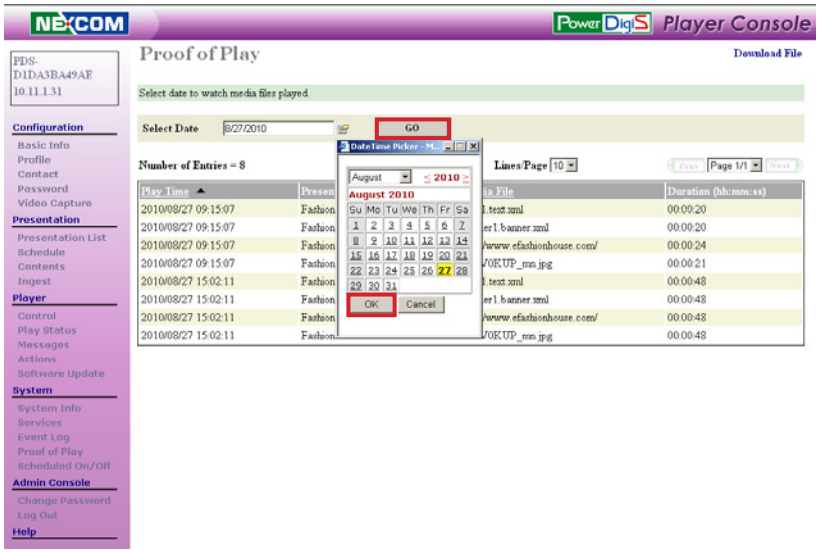
View Proof of Play or Download a Play Log

Proof of play is the term used in digital signage to record presentation playback summary and raw play logs which keep track of what content file was played as well as the date and time when it was played and the playback duration.

- On the left column of the Player console screen, click **Proof of Play**.



- Select the log date you would like to view. A list of the presentation files that were played on that day will be listed.



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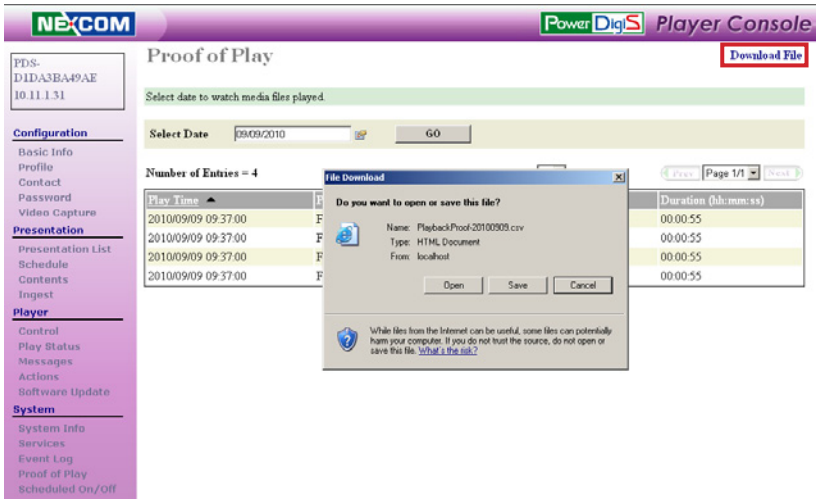
- You can also download the Proof of Play log file by clicking **Download File**.



Change the Login Password

- If you want to change the login password, you can click **Change Password** under the Admin Console section on the left column of the Player Console screen.
- Enter the old password first, then the new password. Confirm the new password then click **Save Settings**.

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Log Out from the Player Web Management Console

- On the left column of the Player Console screen, click **Log Out**.

- You have successfully logged out from the Player Console.

Chapter 5: Central Management Server

System Overview

Central Management Server is used to distribute and maintain multiple PowerDigiS Players remotely over network connection. You will need to create content folders to save the contents (Presentations) needed when you distribute them to different Players or Player Groups.

This section will guide you on how to create content folders.

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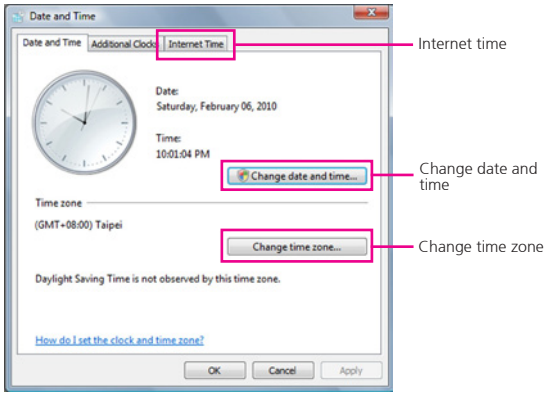
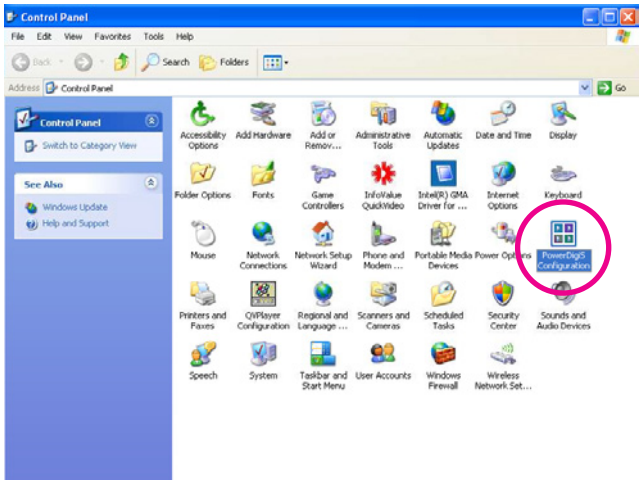
Configuring the Central Management Server

1. Setting the Date, Time, Time Zone and Internet Time
   Click Windows' Start -> Control Panel -> Date and Time to set the Date, Time, Time Zone and Internet Time



2. Execute the PowerDigiS Configuration Utility
   Click Start and then click Control Panel.
   Open the **PowerDigiS Configuration** utility.



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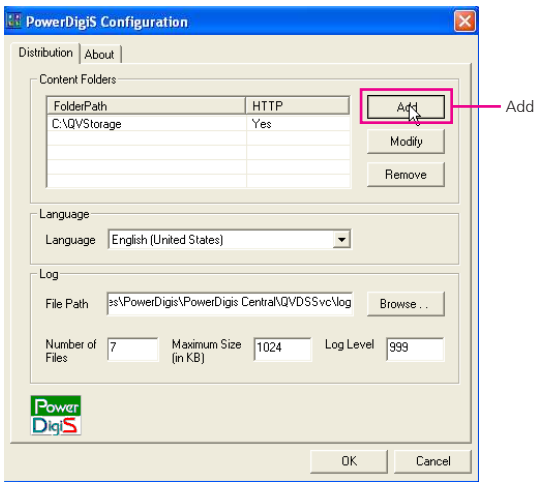
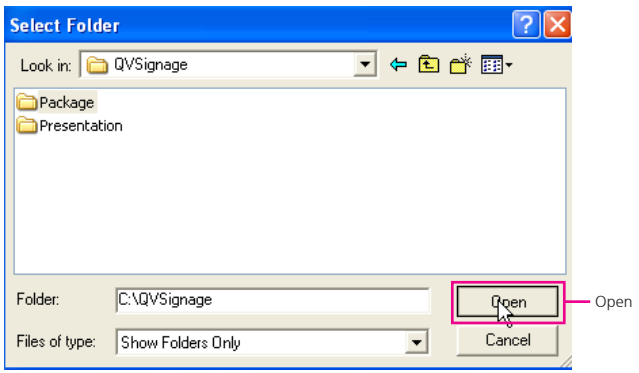
3. Add Content Folders

In the PowerDigiS Configuration dialog box, you will see the content folder that was created when you installed the PowerDigiS Central Management Server software earlier. Click **Add** to add more content folders.



4. Select the Location of the New Content Folder

In the Select Folder dialog box, select a drive/folder where you want to save the contents, and then click **Open**.



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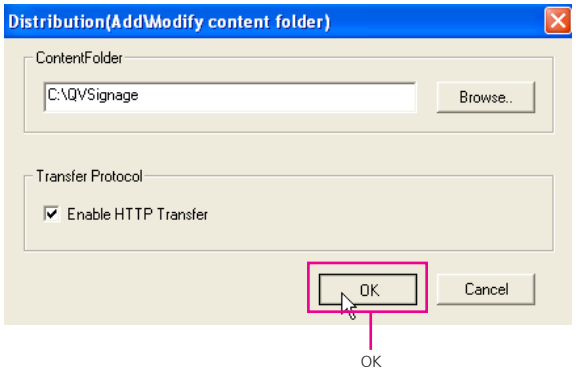
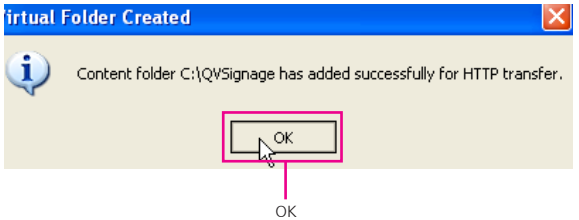
5. Confirm the New Content Folder
   Click **OK** to confirm the selected content folder.



6. Complete the Setting
   Click **OK** to complete the central content folder setting.



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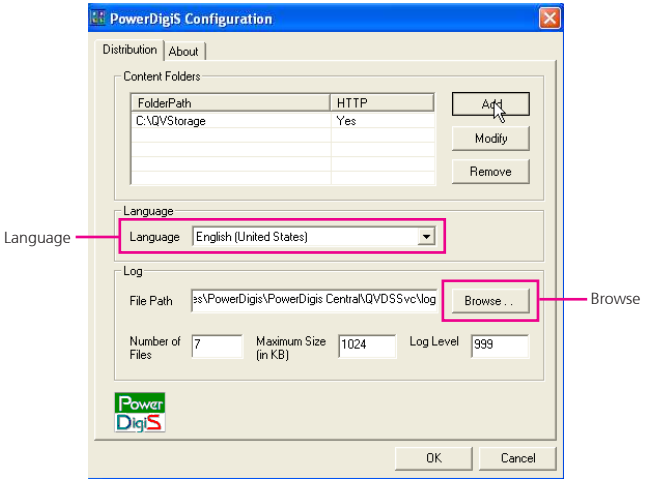
7. Select the Language and File Path

   From the **Language** drop-down menu, select the preferred language.

   Click **Browse** to select the log file path.



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Central Management Server (CMS) Web Management Console

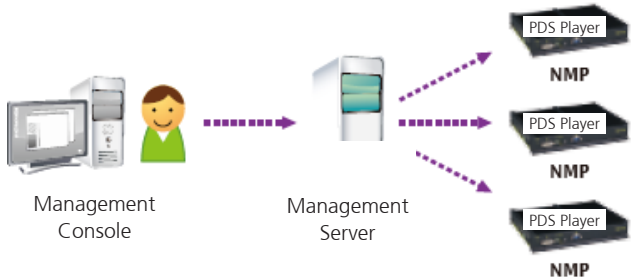
CMS Web Management Console is used to schedule presentations, distribute presentations, etc to a single Player or Player Groups. This software is specially useful in managing several Players or if you intend to group several Players into different Player Groups. This saves you the tedious task of configuring the Players one by one. No matter where you are, you can remotely manage and control several Players or Player Groups.

The management function includes the following components to provide central control capability over any screen in any location. It consists of the following components.

- One or More Media Player Systems
- Management Server
- Central Management Console

The Management Server manages one or more media player systems in a network environment. It will be responsible to communicate with individual media player systems to exchange schedule and manage data.

Central Management Console is an extension of a standalone Management Console. It provides integrated GUI to control and monitor multiple media player systems. User can monitor the health of all registered media player systems without having to log on to each media player system, or push identical contents or schedules to selected media player systems. Central Management Console can run on the machine hosting management server, or from a remote PC.



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Logging in CMS Web Management Console

1. Opening CMS Web Management Console Using the Central Management Server Unit

   If you are using the Central Management server unit per se, click **Start/Programs/PowerDigiS/PowerDigis Central Console/ Central Console** to open the Central Management Console program.

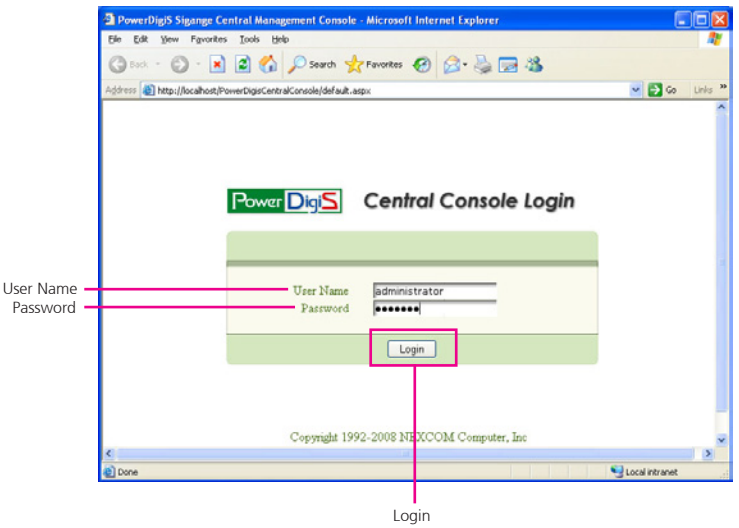
   Opening Central Management Console Using a Remote PC

   If you want to run Central Management Console from a remote PC, open Internet Explorer then type the address below to the address bar.

   http://[CentralManagementServerIPAddress]/ PowerDigiSCentralConsole/Default.aspx

   [CentralManagementServerIPAddress] refers to the Central Management Server's IP address

2. Type the user name and password then click **Login**.
   Default User Name: administrator
   Default Password: welcome



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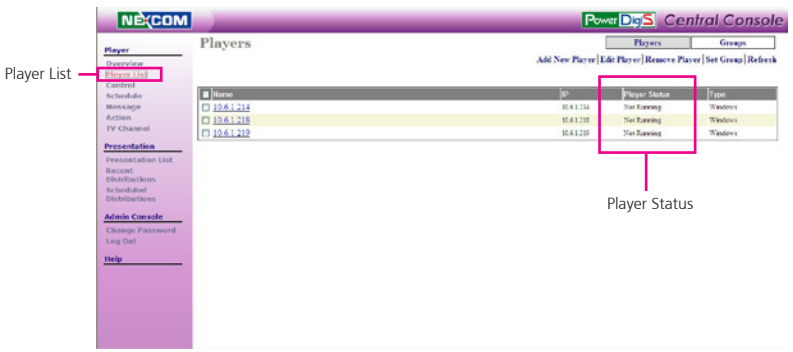
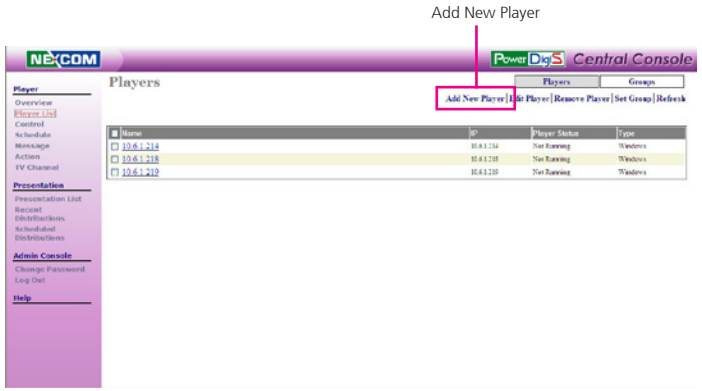
Configuring Players and Player Groups

Before you can operate a Player in the CMS Web Management Console, you need to register all the Players' IP addresses to the Central Management server. You can register an individual Player or groups of Player by following the steps below.

1. Adding a New Player
   a. On the left column of the Central Console screen, click **Player List**.



b. Click **Add New Player**.



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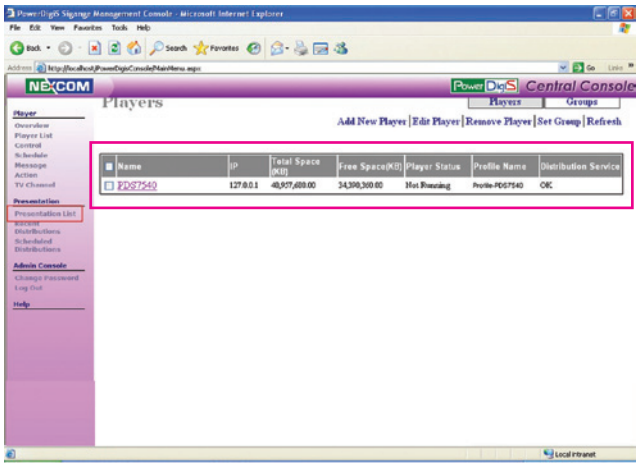
c. Type the Player's name, the IP address of the Player and the estimated network bandwidth reserved for the presentation distribution service.

On the Player Type, it is recommended that you select **Detect**.

Click **Add**.

d. The newly added Player's information will be shown on the screen.



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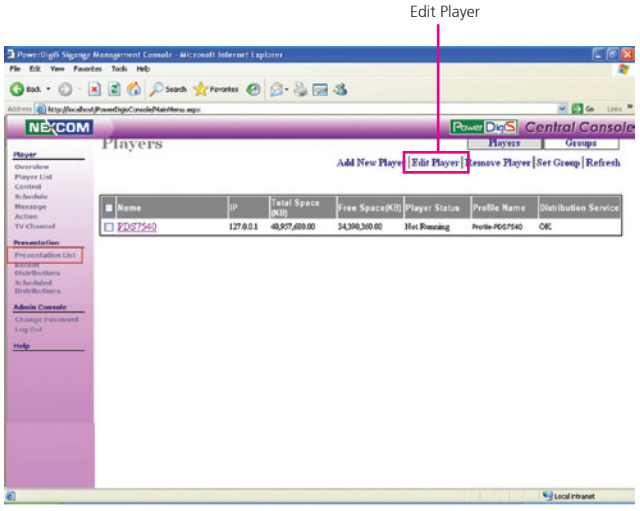
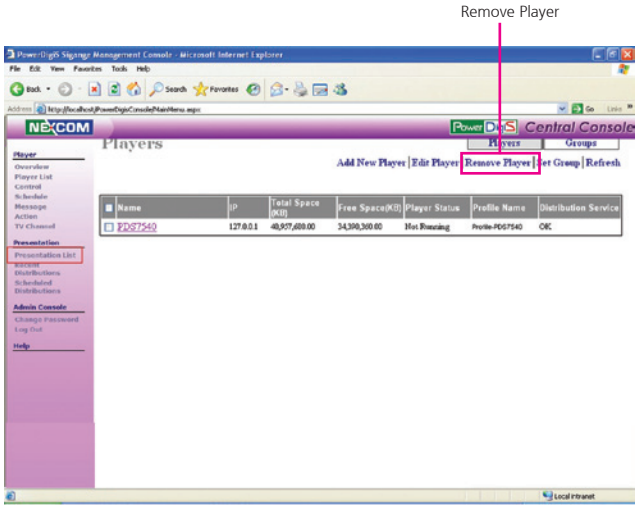
2. Edting a Player

To edit a Player, click **Edit Player**.



3. Removing a Player

To remove a Player, click **Remove Player.**



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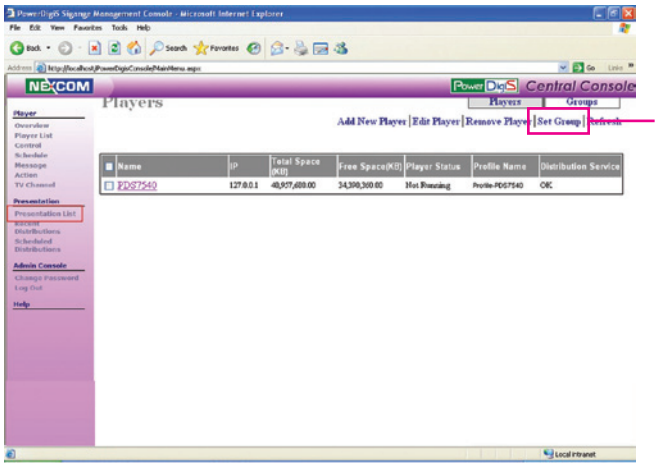
4. Adding Existing Players to a Player Group

Player Group allows you to operate several Players at the same time via the CMS Web Management Console. To do so, add existing Players into a named Players Group. Click **Set Group**.



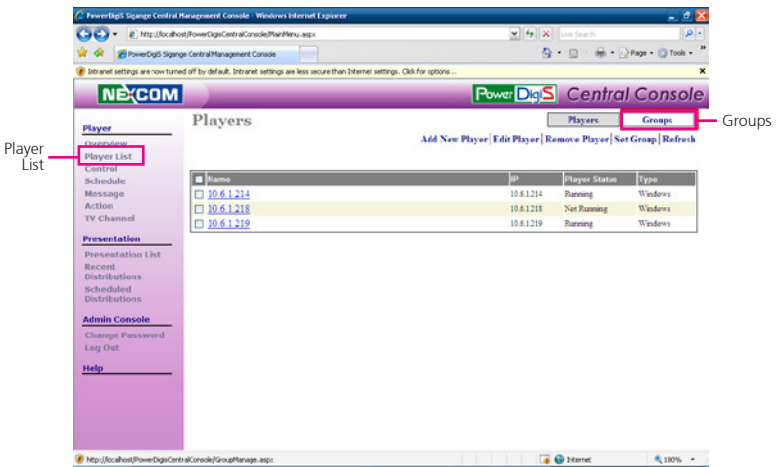
5. Creating a New Player Group

You can group Players according to:

- Players' geographic location
- Player type

a. On the left column of the Central Console screen, click **Player List**.

b. Click **Groups**. A list of Player Groups will appear.



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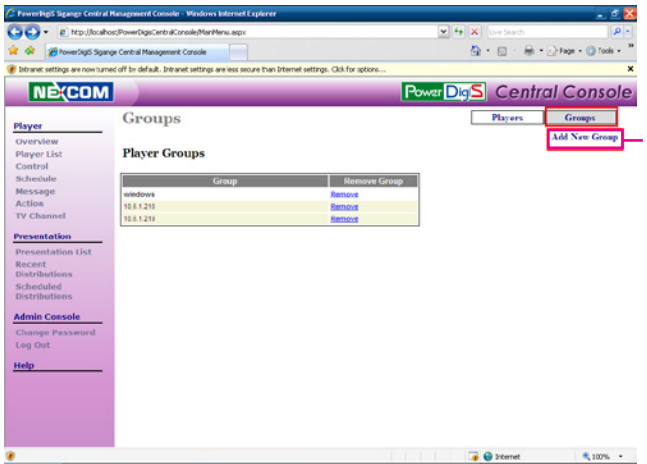
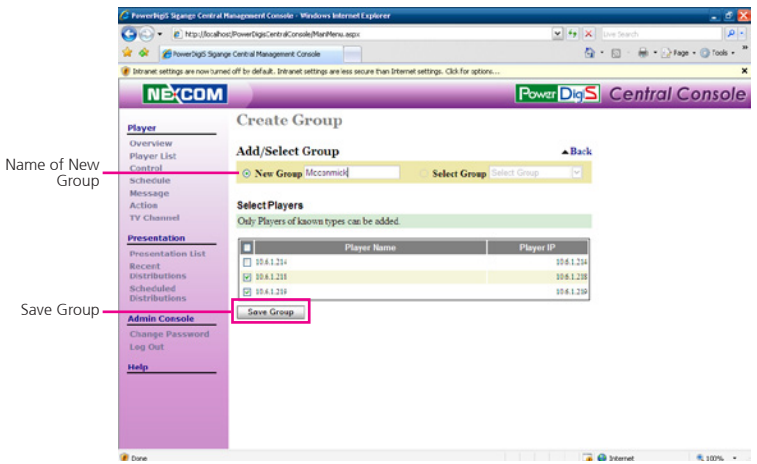
c. Click **Add New Group**.



d. A list of Players will appear. Click on the Players you would like added to the new group.
Enter the name of the new group in the **New Group** field.
Click **Save Group**.



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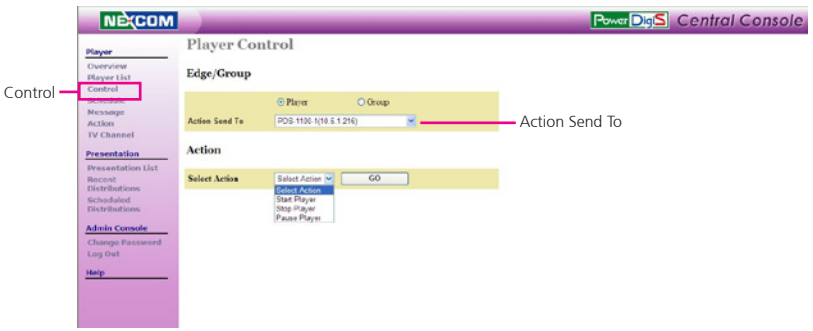
6. Starting/Stopping/Pausing a Player or Player Groups

   You can control when to start, stop or pause the presentation of a single Player or Player Groups.

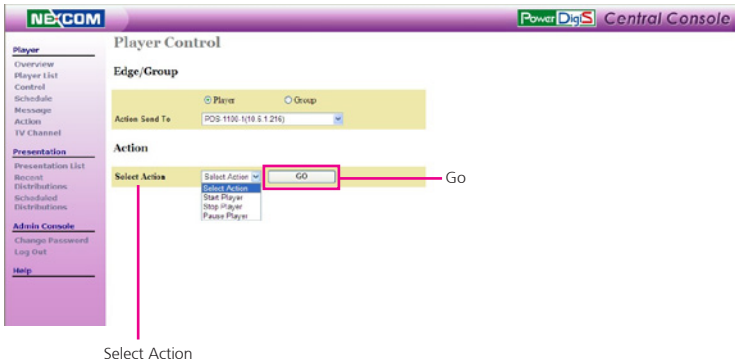
   a. On the left column of the Central Console screen, click **Control**.

   b. Click **Player** or **Group**.

   c. From the **Action Send** To drop-down menu, select the Player name or Group name.



   d. From the **Select Action** drop-down menu, select an action and then click **GO**.



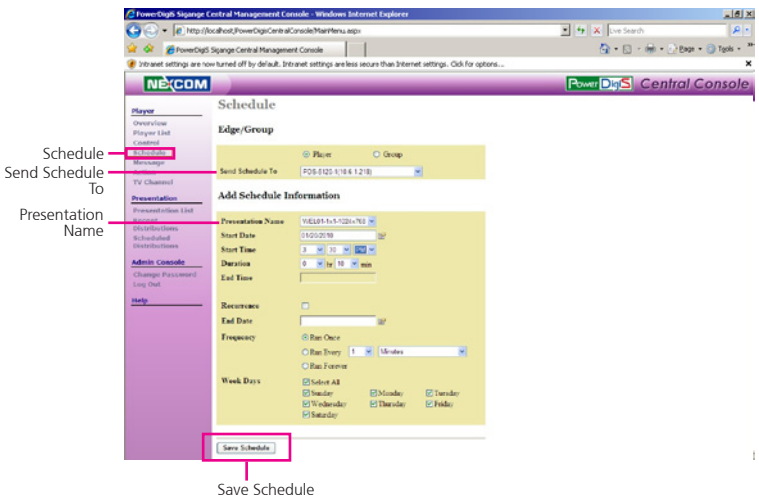
7. Scheduling the Presentation Time Slot of a Player or Player Groups

   You can schedule the presentation located on a single Player or Player Groups. This is applicable only for Presentation Player Group.

   a. On the left column of the Central Console screen, click **Schedule**.

   b. Click **Player** or **Group** and then from the **Send Schedule To** drop-down menu, select the Player name or Group name.

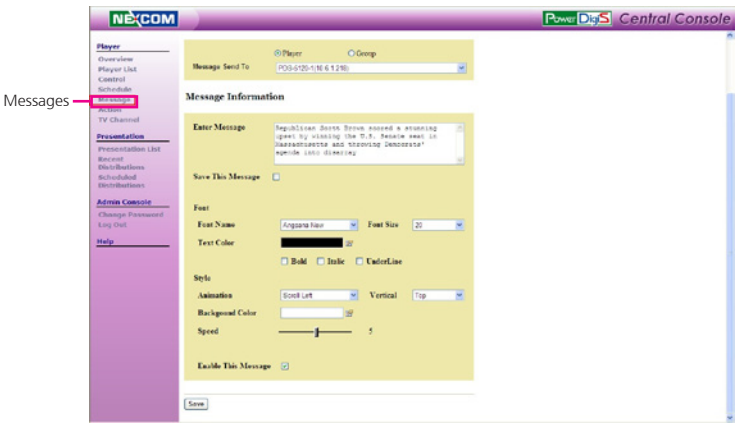
   c. From the Presentation Name drop-down menu, select the name of the presentation, the start date and time, duration, etc., then click **Save Schedule**.



8. Sending Instant Messages

   You can send quick instant messages to a Player or Player Group.

   a. On the left column of the Central Console screen, click **Messages**.



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b. Click **Player** or **Group**.

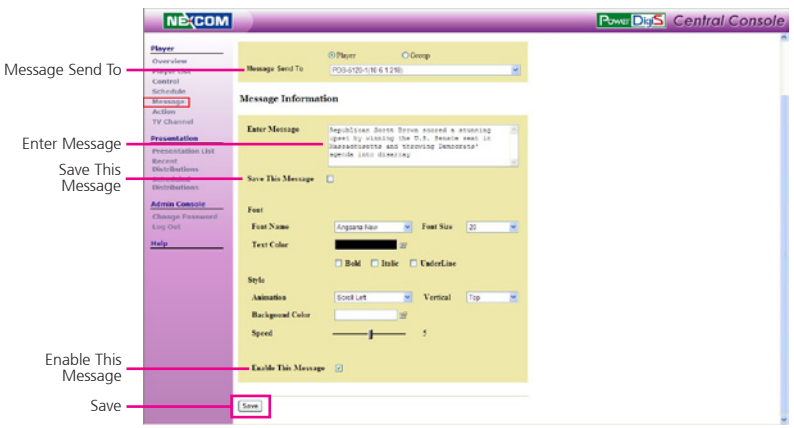
From the **Message Send To** dropdown menu, select the Player name or Group name.

Compose your own message in the **Enter Message** section. Click **Save This Message**.

You can further format your own message by:

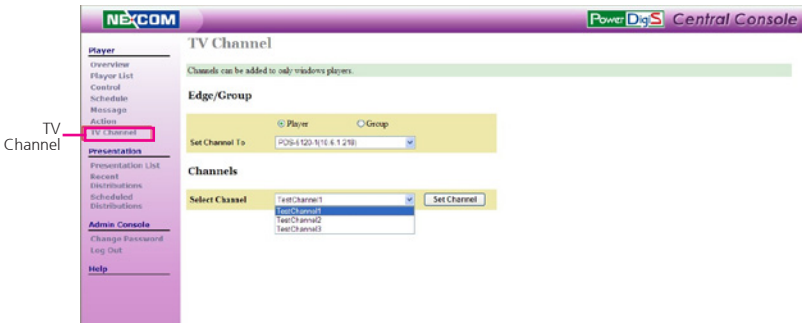
- Configuring the **Font**
- Adding **Animation**
- Adding **Background Color**
- Adjusting the **Speed** at which it will flash across the Player screen

Finally, click **Enable This Message**, then click **Save**.



9. Selecting the TV Channel

a. On the left column of the Central Console screen, click **TV Channel**.



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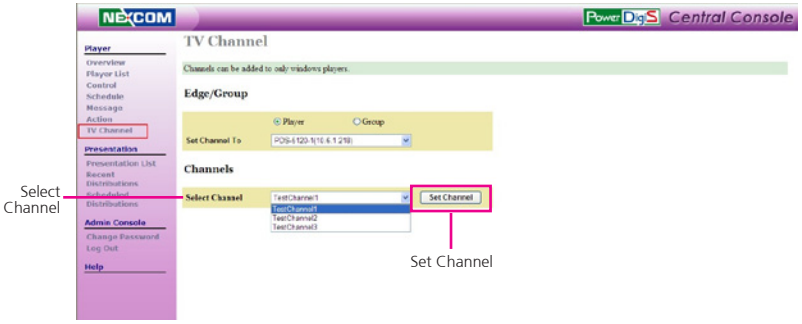
b. From the **Select Channel** dropdown menu, select a TV channel and then click **Set Channel**.



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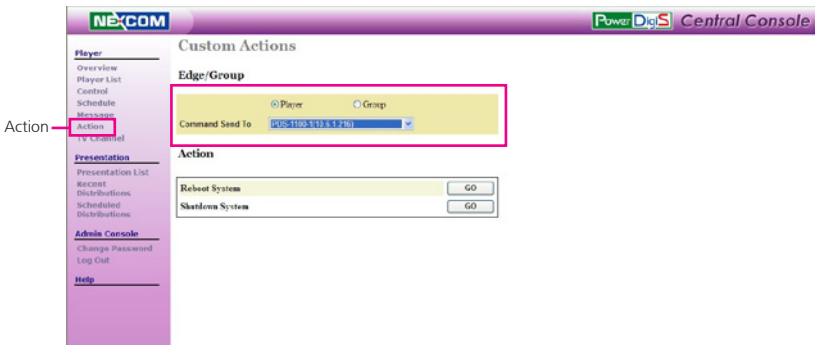
10. Rebooting or Shutting Down a Player or Player Groups

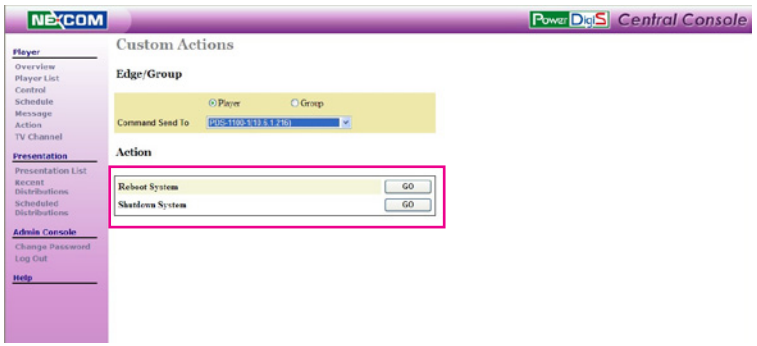
    a. On the left column of the Central Console screen, click **Action**.

    b. Click **Player** or **Group**.

    c. From the **Command Send To** drop-down menu, select the Player name or Group name.



d. Select **Reboot System** or **Shutdown System** then click **GO**.



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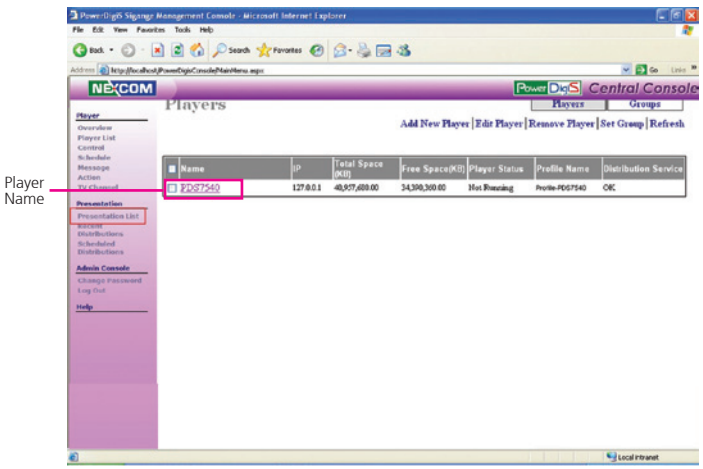
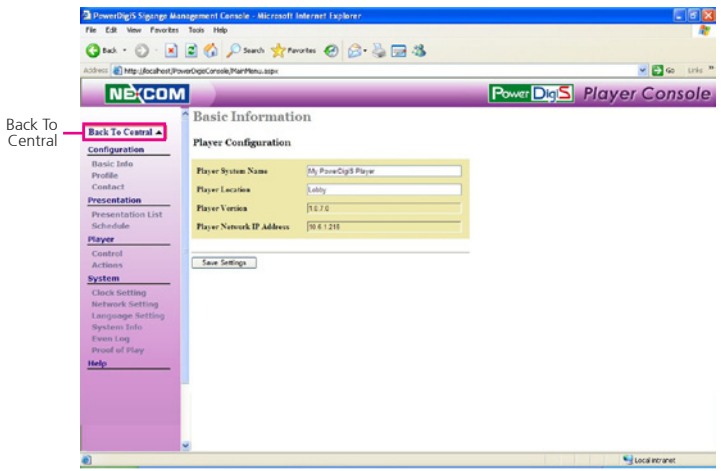
Switching Between CMS Web Management Console and the Player Web Management Console

You can switch to the Player Web Management Console while you configure the Players and Player Groups in the CMS Web Management Console. Switching to the Player Web Management Console will allow you to view basic information about the Player such as the Player's name, location, IP address and version.

1. Click the **Player name** in the Player List.

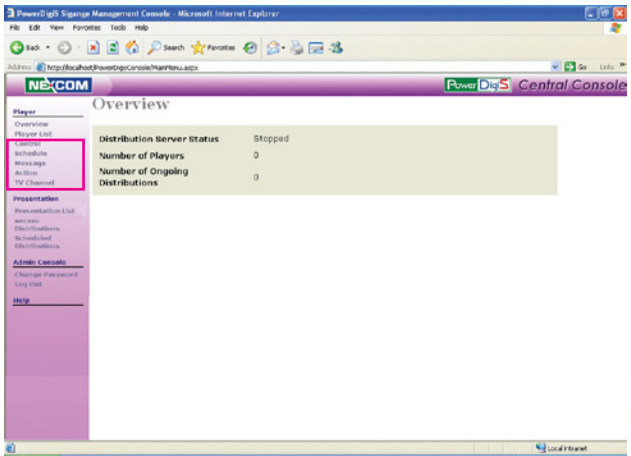


2. The Player Configuration screen showing information about the Player will appear. Click **Back to Central** to return to the CMS Web Management Console.



3. If you have added several Players in a Players Group, CMS Web Management Console allows you to operate the Players in the group at the same time.

   On the left column of the Central Console screen, click **Control, Schedule, Message, Action or TV Channel**. CMS Web Management Console will prompt you to select a Player Group before taking any of these actions.



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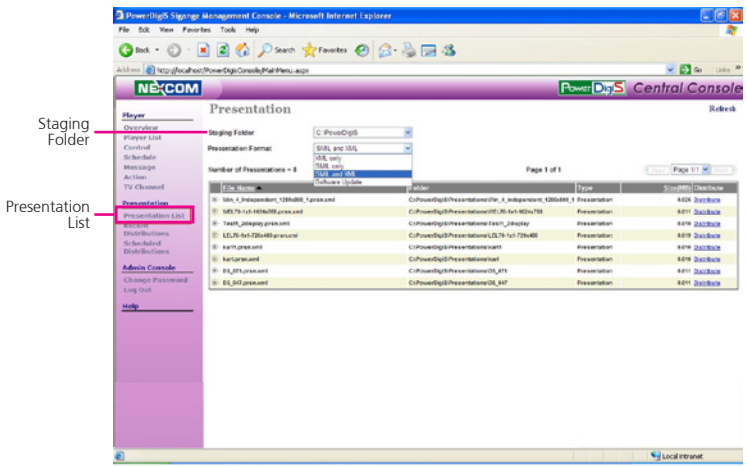
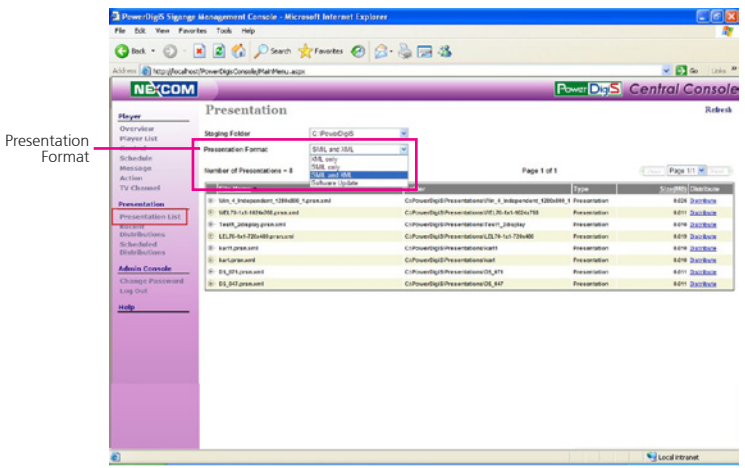
Distributing Presentations

1. Selecting the Content Folder to Upload the Presentation
   a. On the left column of the Central Console screen, click **Presentation List**.
   b. From the **Staging Folder** drop-down menu, select the location of the content folder that contains the presentation.



2. Selecting the Presentation Format
   From the **Presentation Format** drop-down menu, select the format of the presentations you would like to appear in the list.

   XML: Only list Presentations that are available for Windows Player.
   SMIL: Only list Presentations that are available for Linux Player.
   SMIL and XML: List Presentations that can be distributed to either Windows or Linux Player.
   Software Update: List software packages available to Windows or Linux Player.



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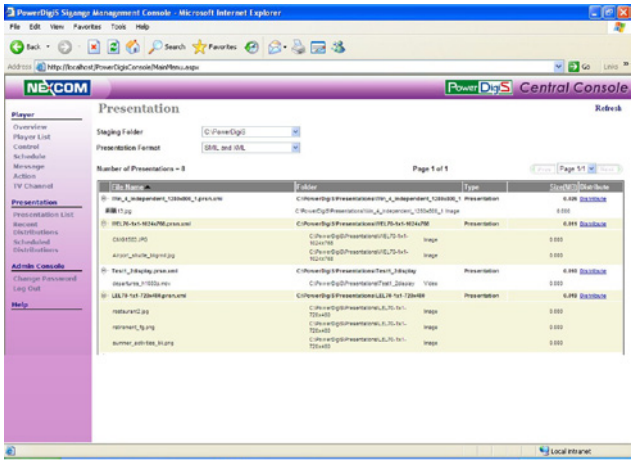
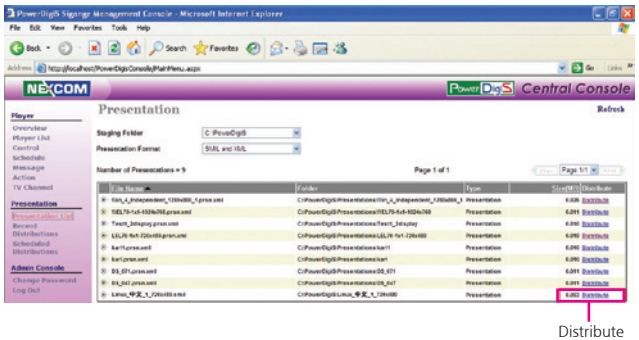
3. Viewing Detailed Information of the Selected Presentations

   All Presentation files that belong to the format you have selected will appear in the list. Detailed information such as the location of the presentations and file size will appear next to the Presentation name.



4. Distributing Presentations

   a. From the list of Presentation files, click **Distribute** to distribute the presentation file.



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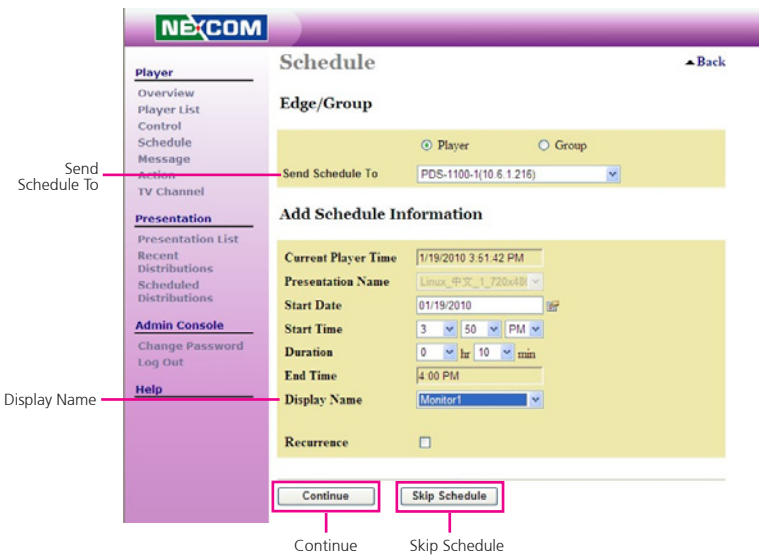
b. Click **Player** or **Group**.
From the **Send Schedule To** dropdown menu, select the Player name or Group name.

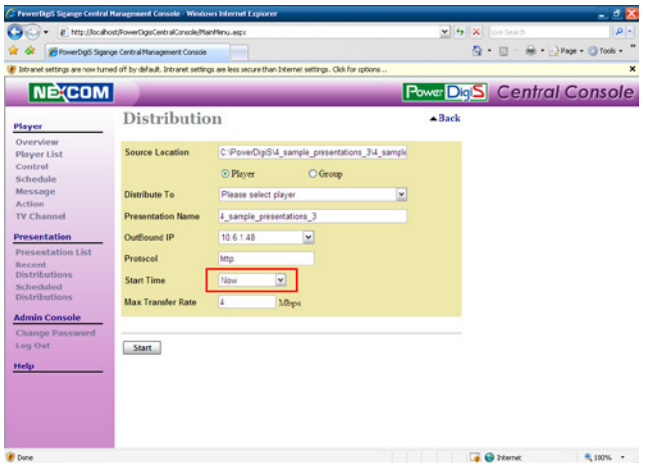
Schedule the presentation in the **Add Schedule Information** section.

From the **Display Name** dropdown menu, select the monitor that is attached to the Player where the presentation will be distributed.

After you have finished adding schedule information, press Continue or Skip Schedule to skip adding schedule information for the presentation to be distributed.



c. Information of the selected Presentation to be distributed will be shown on the screen. Click **Now** and then click **Start** to schedule the distribution.



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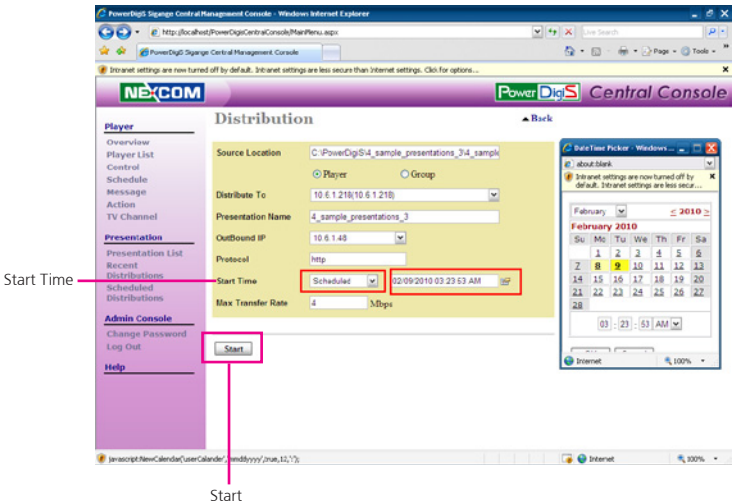
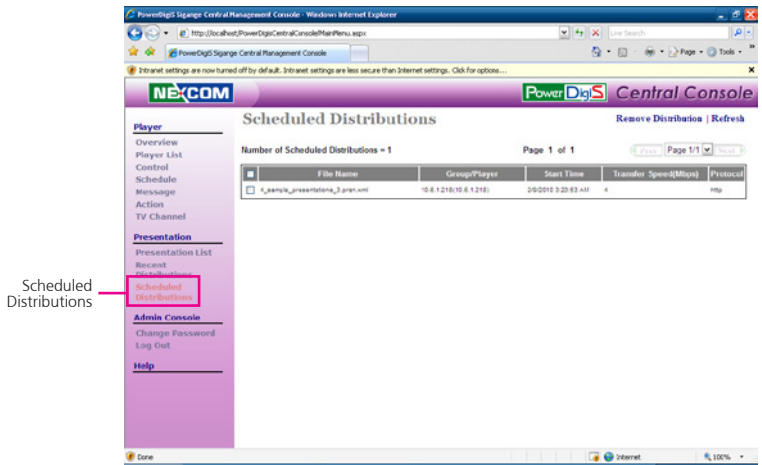
d. Set the schedule in the **Start Time** field and then click **Start**.



e. On the left column of the Central Console screen, click **Scheduled Distribution** to view the scheduled distributions of the Presentations.



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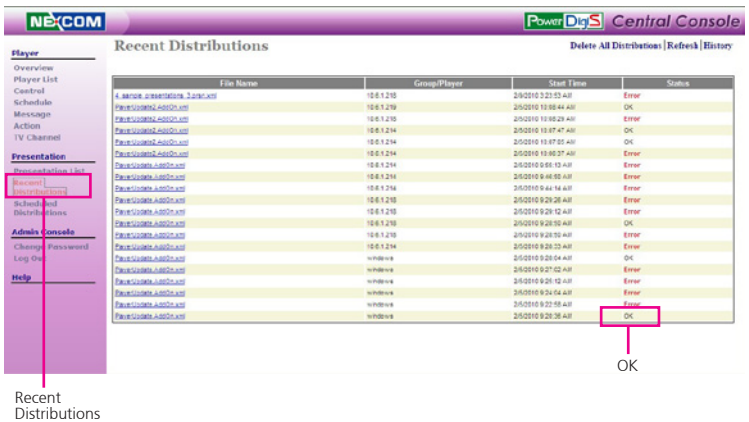
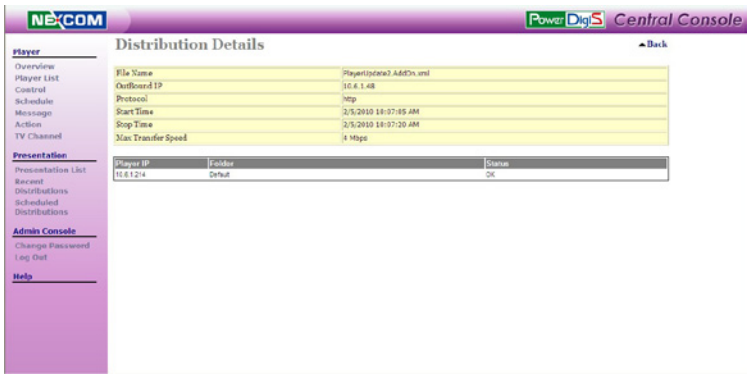
Viewing Recent Distribution List

1. Viewing Successful Distributions
   a. On the left column of the Central Console screen, click **Recent Distributions.**
   b. For distributions that were successful, the Status is **OK**.



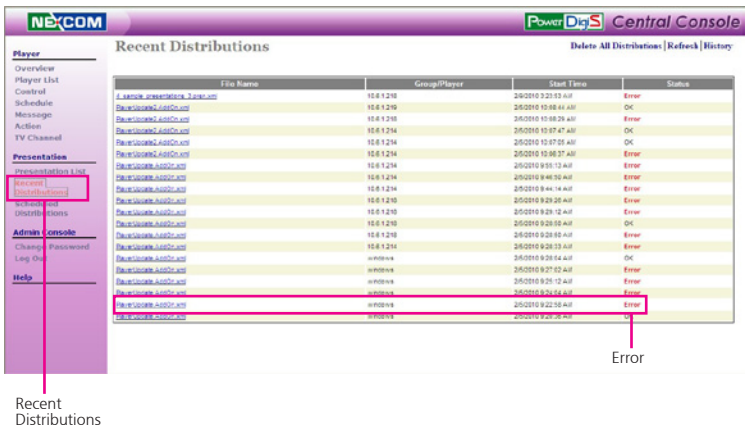
2. Viewing Details of Successful Distributions
   a. Click on the file name to view details of the presentation that was successfully distributed.



3. Viewing Failed Distributions

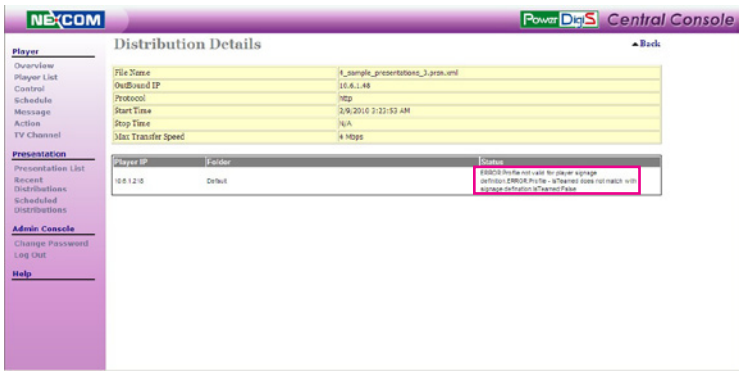
   a. On the left column of the Central Console screen, click **Recent Distributions**.

   b. For distributions that failed, the Status is **Error**.



4. Viewing Details of Failed Distributions

   a. Click on the file name to view details of the presentation that failed to distribute properly.



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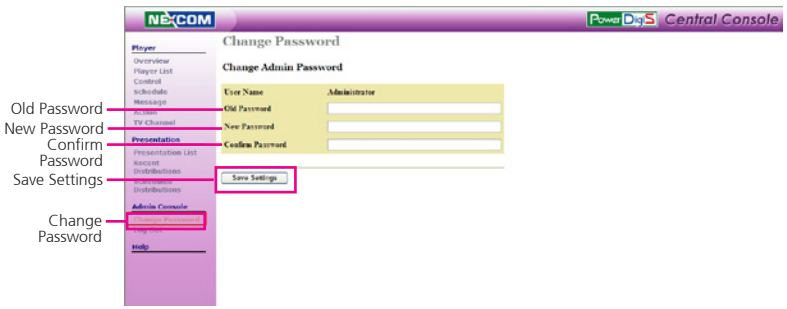
Administration Functions

Changing the Login Password

1. On the left column of the Central Console screen, click **Change Password**.

2. Enter the old password first, then the new password. Confirm the new password then click **Save Settings**.



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Chapter 6: Advanced Settings For Digital Signgae Configuration

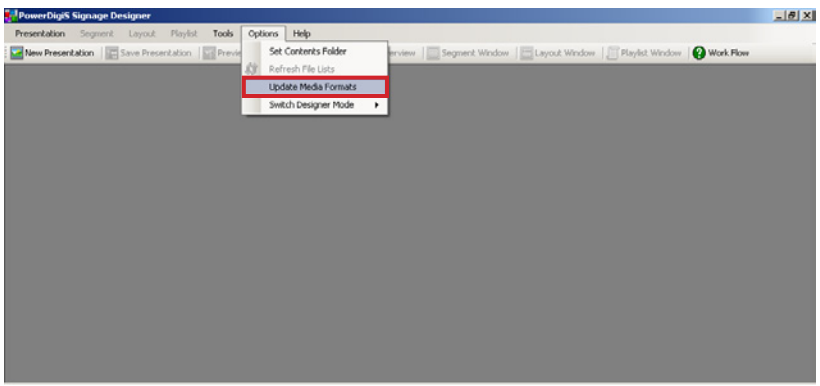
Content Library

Content Library is the term referred to the list of contents (play items) that can be added to the Playlist from a local storage or from HTTP links. From this section, you will learn how to add play items to the Playlist with different methods and how to keep the Content Library up to date.

Update Media Formats

Prior to adding a content file (play item) to a new Playlist, you need to verify if the Designer supports the media format of the content you are going to use.

- From the Option drop-down menu, click **Update Media Formats**.



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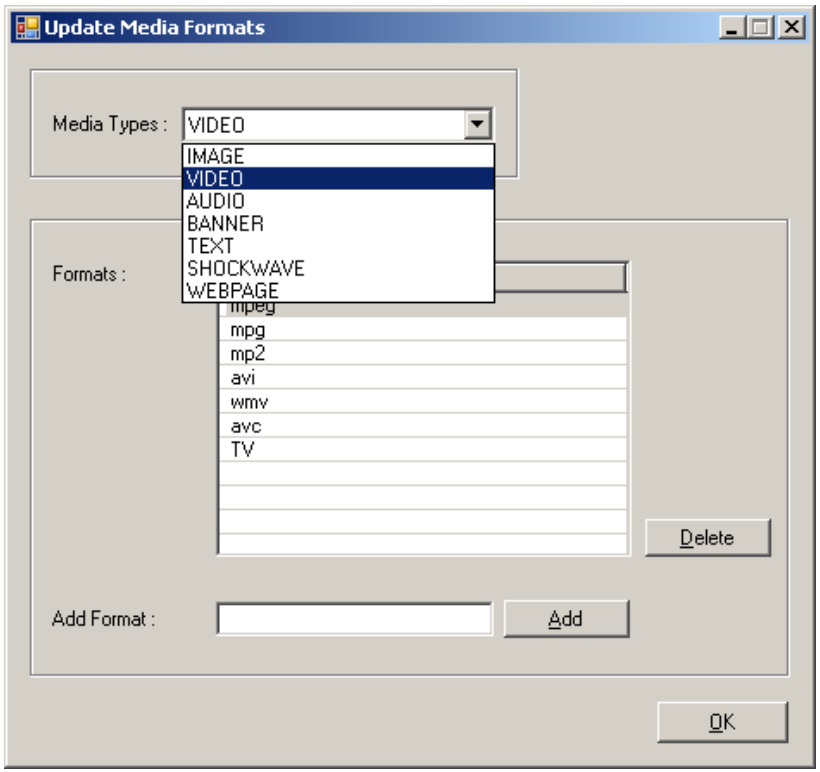
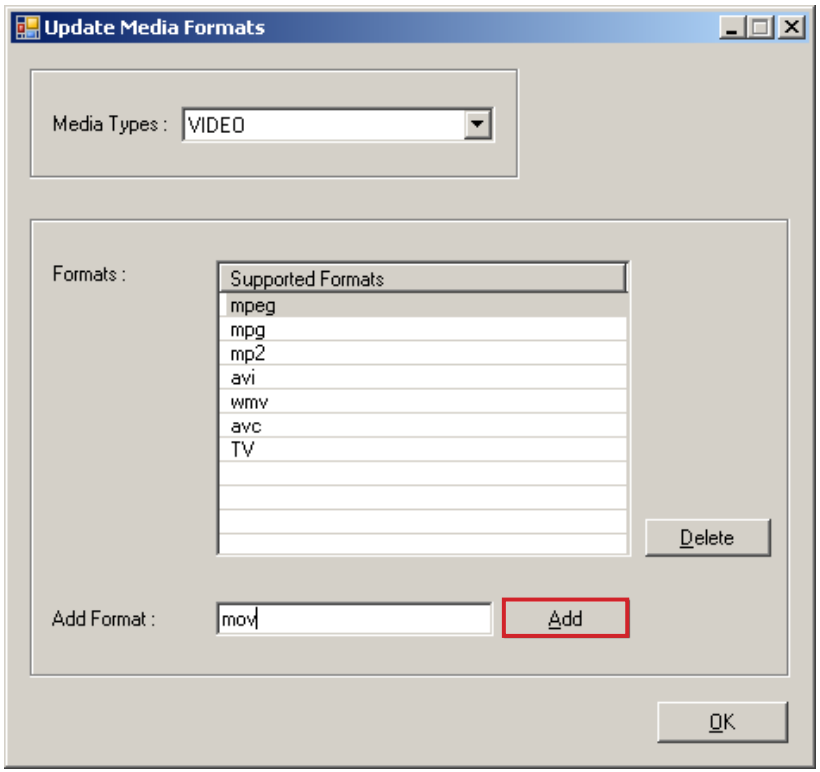
- From the Media Type drop-down menu, select the media type of your content. The supported media formats will be listed in the box below.



- If you do not see the media format you want to use, click Add to enter a Media Format to add to the specific Media Type.



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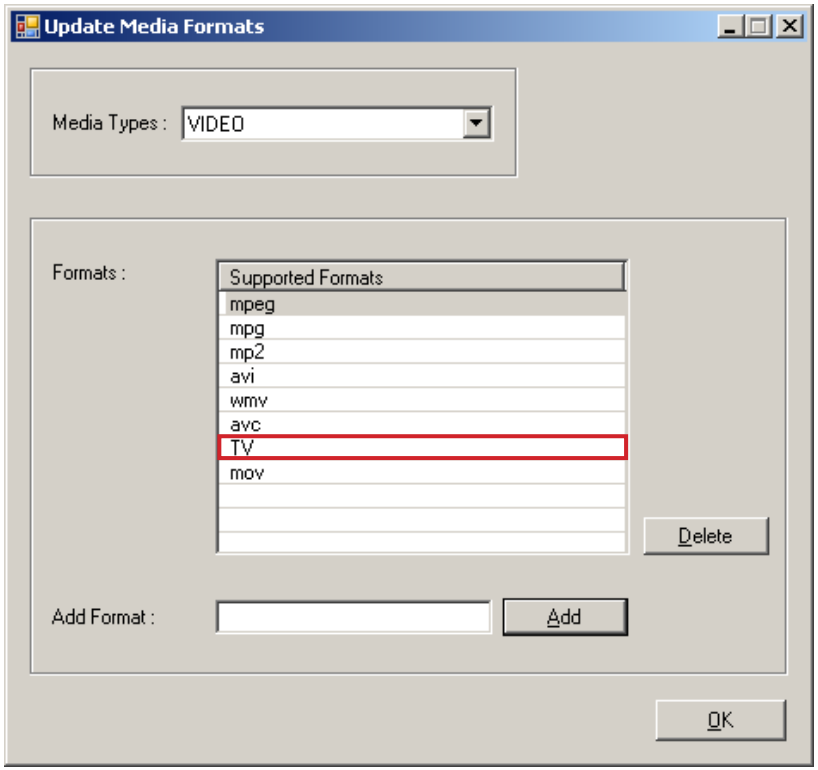
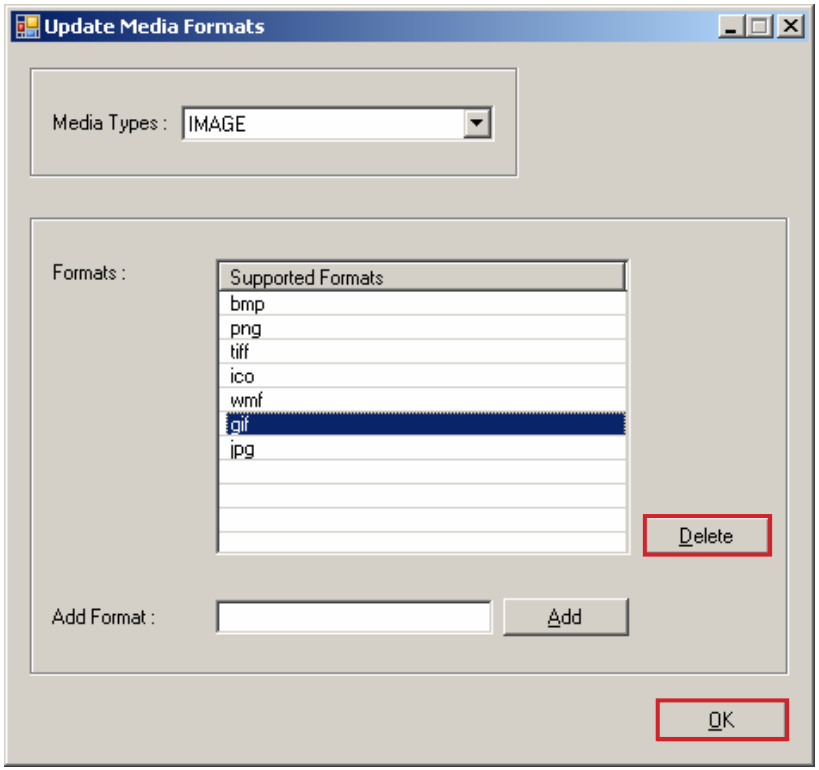
- The Media format you just added will appear in the list.



- If there's any media format you do not want to include in the list, highlight the format then click **Delete**.



- Click **OK** to save the changes.

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Add Play Items to the Playlist

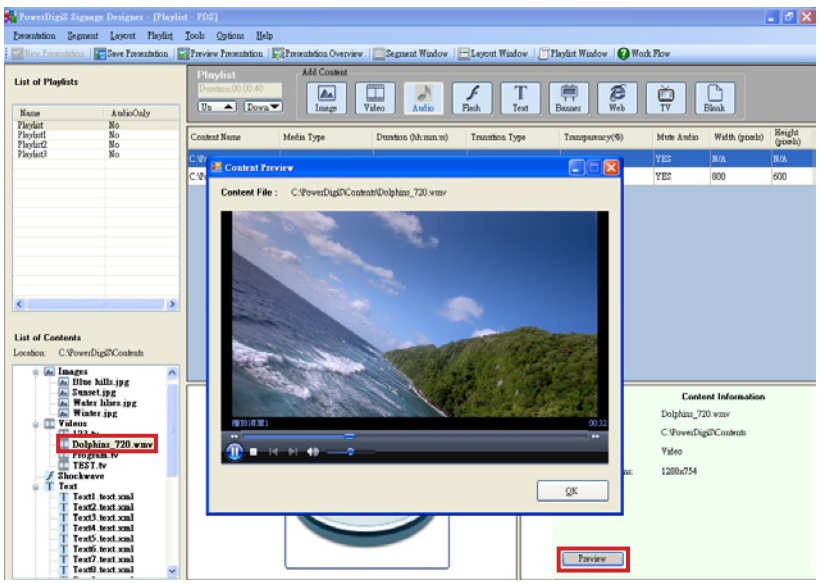
You can add play items to the Playlist by using the following two methods:

- Add contents from the List of Content
- Use Add Content Tools Panel to add contents

Add contents from the List of Contents

The content files in the List of Contents are stored in the local drive. They are listed under different categories on Designer console, including Images, Videos, Text and Banners files.

To preview a content, click on a content and the preview window will show thumbnails of the content and file properties. Click **Preview** to preview content for video, banner and text files.



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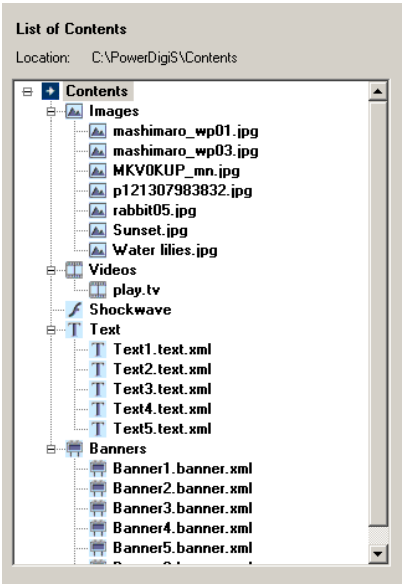
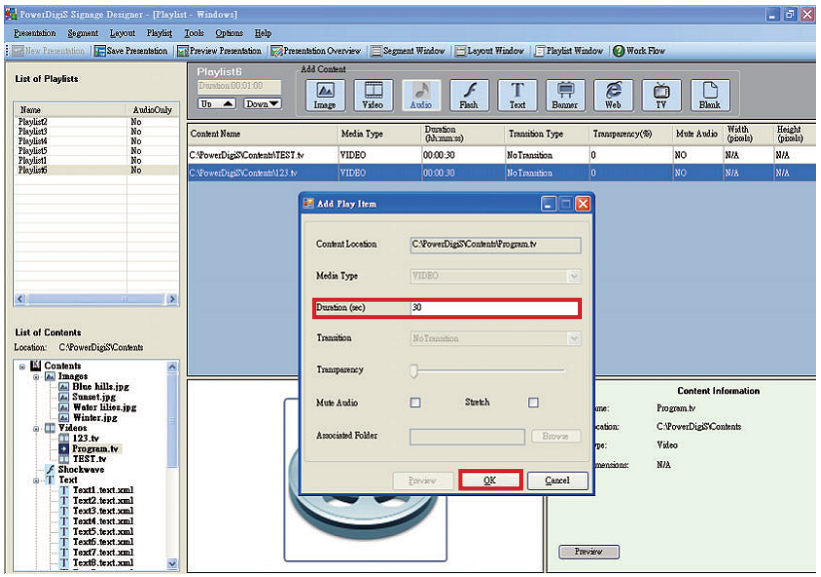
- Click and drag a content from the **List of Contents** window to the right pane so as to include it to the currently selected Playlist.



- Set Parameters for the newly added play item. It can be configured with various display properties such as duration, transition or animation effects, transparency or stretch to the display area. Set **Duration** for the new TV content in the following example. Click **OK**.



- Repeat the above steps to add more play items to the Playlist.

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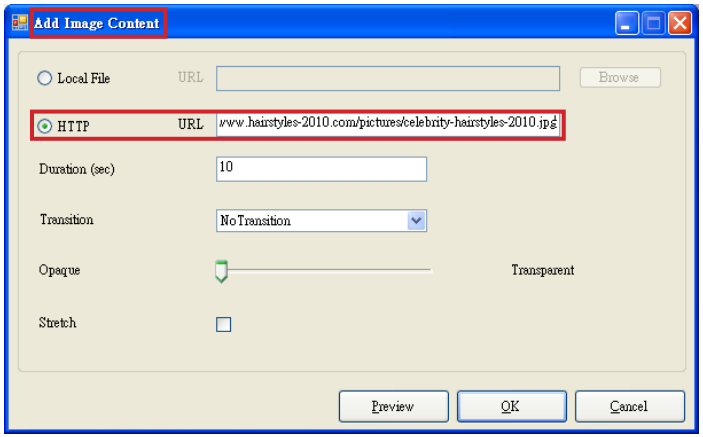
Use Add Content Tools Panel to add contents

Aside from adding contents from the List of Contents, you can also add contents from HTTP links by using Add Content Tools Panel.

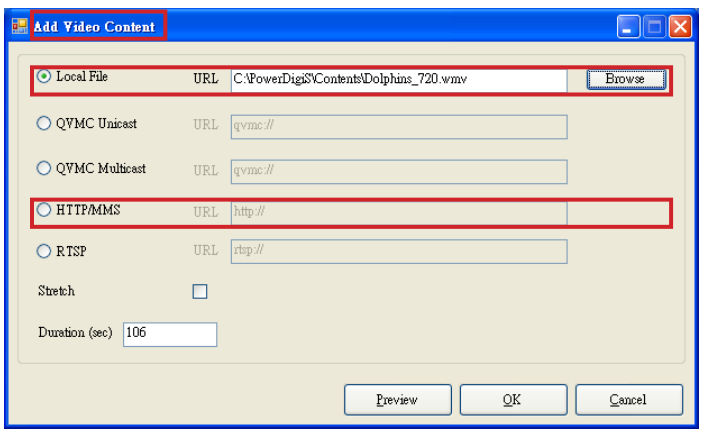
To add a content file from the Add Content Tools Panel to the Playlist, follow the steps below:

- To add Image or Video content:
  - Click a specific content type.
  - Click **Browse** to locate the content file in the local drive.
  - Or enter HTTP link to add a content file from the remote server.
  - Set preferred parameters of the content file display properties.
  - Click **Preview** to preview the content.
  - Click **OK**.

Image Content:



Video Content:



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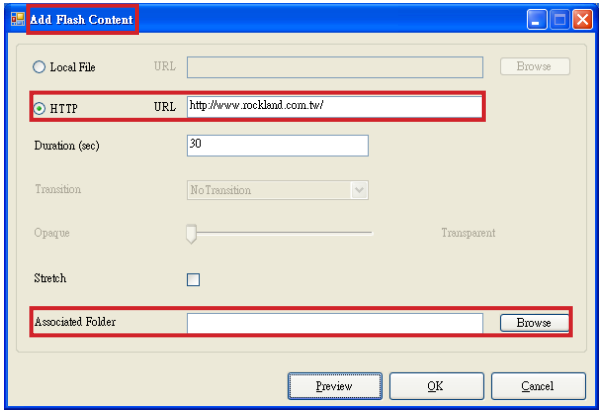
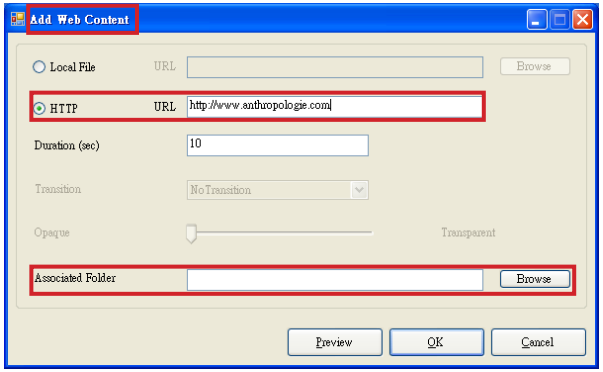
- To add Flash or Web content:
  - Click a specific content type.
  - Click **Browse** to locate the content file in the local drive.
  - Or enter HTTP link to add a content file from the remote server.
  - If there's any folder associated with the local flash or web content file you have previously selected, click Browse to locate the Associated Folder.
  - Set preferred parameters of the content file display properties.
  - Click **Preview** to preview the content.
  - Click **OK**.

Flash Content:



Web Content:



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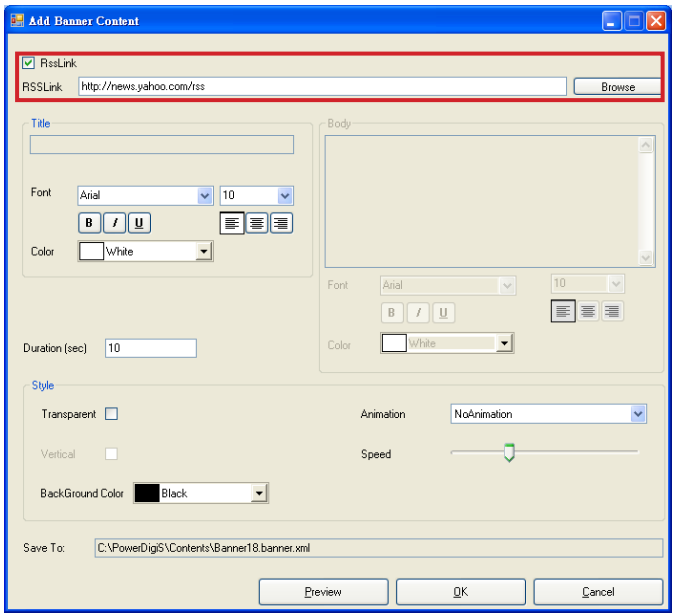
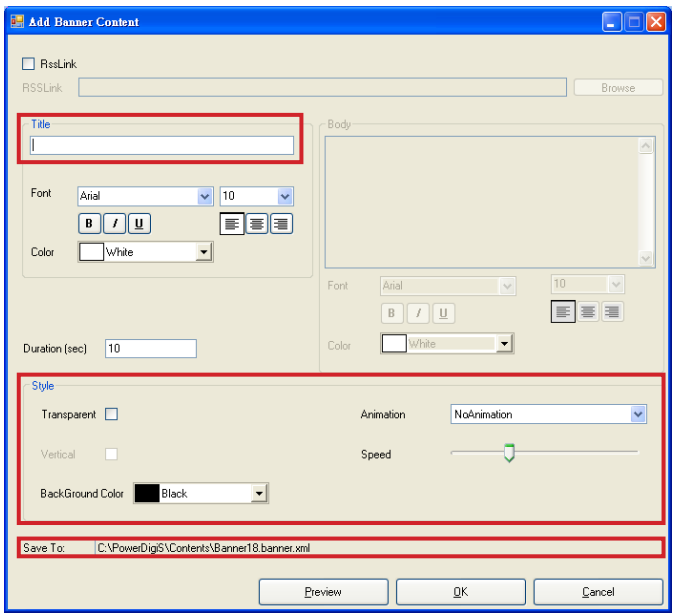
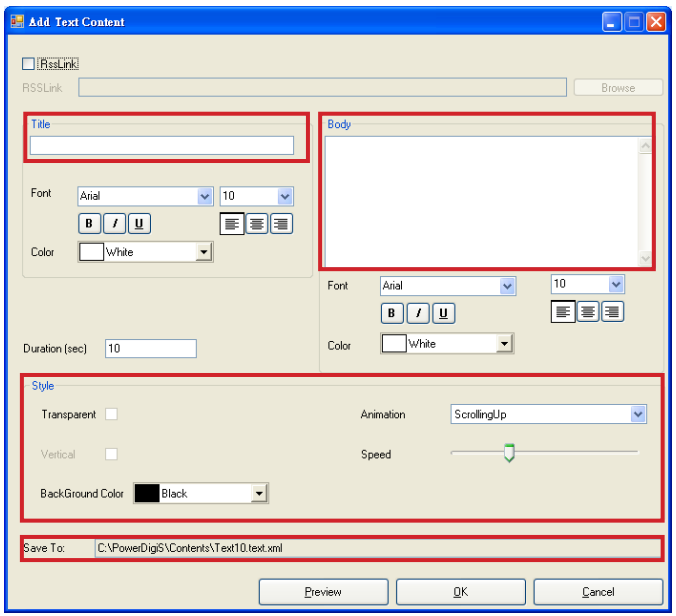
- To add RSS news feed content:
  - Click either Banner or Text content.
  - Select **RssLink**. The below options for banner/text content configuration will be grayed out once RssLink is checked
  - Enter the RSS link to display the up-to-date RSS news feed or click Browse to locate the RSS file saved in your local drive.



- To add Banner content:
  - Click **Banner** content
  - Compose your own message by:
    - Configuring the **Font**
    - Adding **Animation** effect and adjusting the **Speed** for the banner display
  - Selecting **Background Color**
  - Click **Preview** to preview the content
  - The banner content file you just created will be saved as a .banner.xml file in C:\PowerDigiS\Contents
  - Click **OK**.



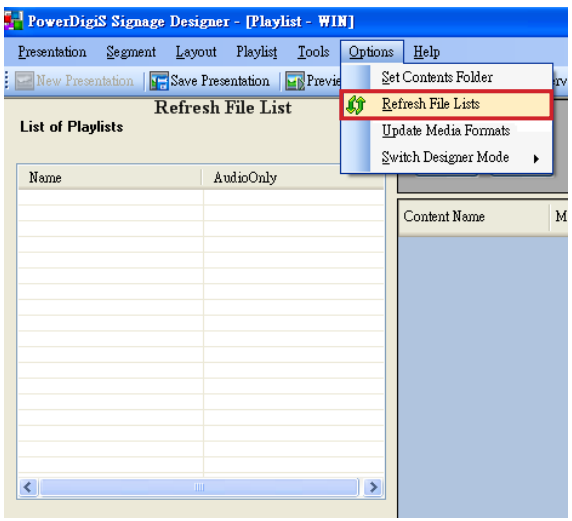
- To add a Text Content:
  - Click **Text** content
  - Compose your own message by:
    - Configuring sthe **Font**
    - Adding **Animation** effect and adjusting the **Speed** for the text display
    - Selecting **Background Color**
  - Click Preview to preview the content.
  - The text content file you just created will be saved as a .text.xml file in C:\PowerDigiS\Contents.
  - Click **OK**.



Refresh File Lists

You can refresh the content file list whenever you have added the new play items to the Playlist.

From the **Option** menu, click **Refresh File Lists** to add content into the Content Library. You can find the content files you just added have been organized automatically in the **List of Contents** in the lower left area of the Designer console. Please note that the TV content (.tv files) will be listed under the Videos Category.



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TV Signage Application

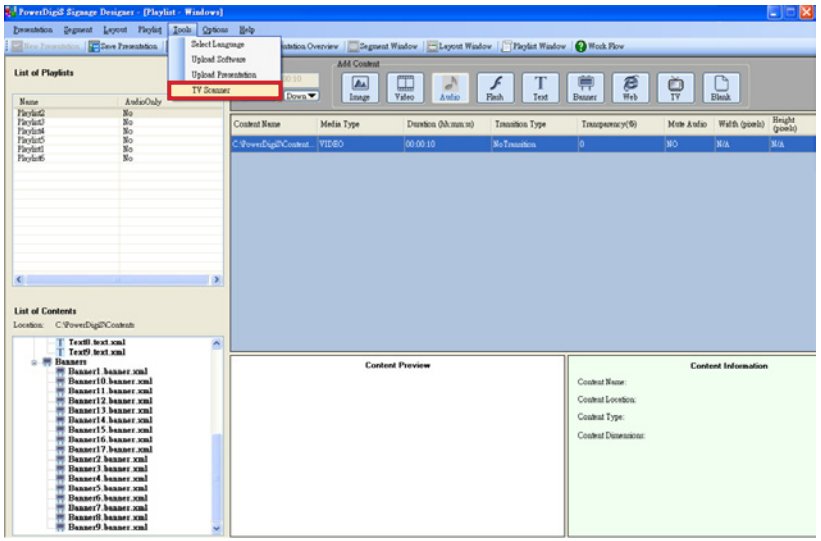
The PowerDigiS Digital Signage solution supports TV Signage application in particular PDS models, including PDS 1110 and 1101. With the certified TV tuner device comes along with the package, these models enable you to scan available TV channels in your region and select the channels to be included in a presentation package uploaded to the Player.

In this section, we will provide you with a detailed introduction of TV Signage application as well as how to apply this function to your Digital Signage configuration.

Scan TV Channels/Programs

To create a TV Signage presentation, first you need to use TV Scanner to scan the available TV channels and programs to be included in the presentation. This tool allows you to configure TV Signage, scan and manage TV channels and add TV programs on the Designer console. The TVchannel.xml and .tv files will be generated through this utility and be automatically packaged into a presentation you upload to the Player for specific TV channels or programs display.

- Under Tools menu, select **TV Scanner**.



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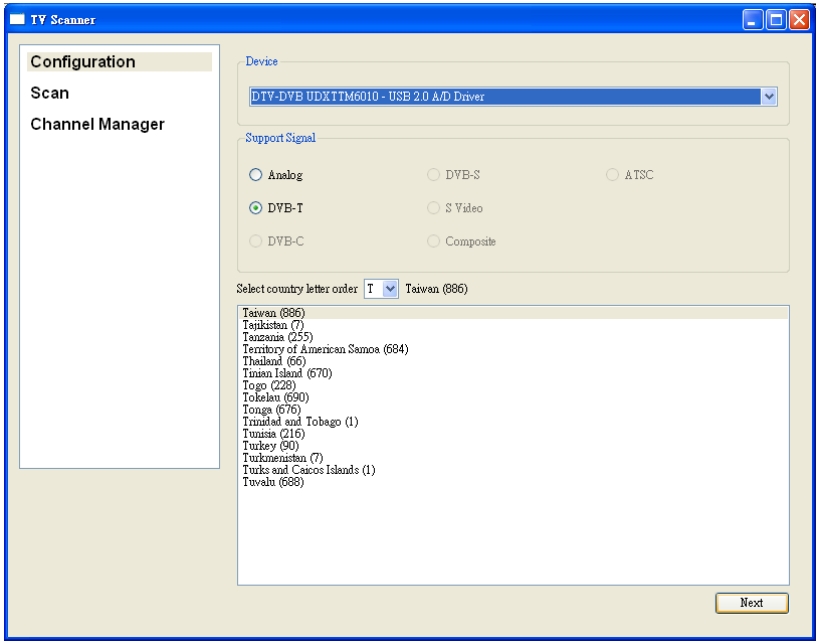
Configuration

Configuration section allows you to select the TV Tuner device, supported TV signal and the country where the Player is located.

- Select the preferred TV tuner device from the device drop-down menu.
- Select the compatible signal in Support Signal box. You can only select one signal at a time.
- Select the country where the player is located. The corresponding TV format will be automatically detected based on the TV signal and country selected.
- Click **Next** to go to Scan section.



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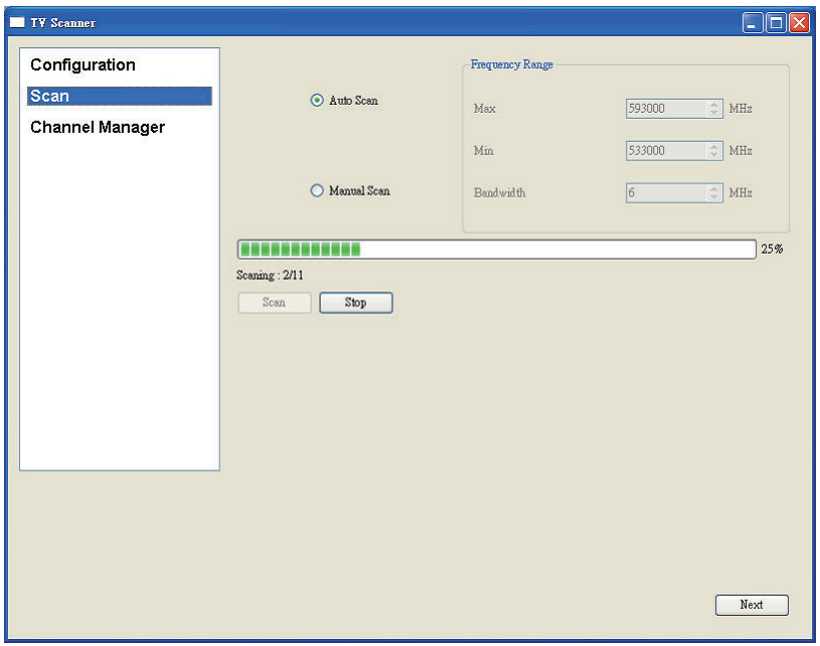
Scan

Scan function allows you to scan available TV channels of the region previously configured. You can choose to scan automatically or manually by specifying a channel frequency range. If you have previously selected Analog in the Configuration section, the Scan button would be grayed out by default. If you have previously performed the scan and saved the TVChannel.xml file, you may skip this section to directly load the existing TVchannel.xml file in Channel Manager.



- Select **Auto Scan** to automatically scan available channels.
- If you choose to scan channels manually, select **Manual Scan**. Fill in values for the maximum and minimum frequency range and Bandwidth fields.
- Click **Scan** to begin scanning.
- You can stop the scanning process anytime by clicking **Stop**.
- If you have stopped scanning previously, you need to click **Scan** to restart the scanning process.
- If you close the window while scanning is in progress, a message will pop up asking if you want to exit the program.

- Click **Yes** to exit TV Scanner.
- Click **No** to return to the scanning window.
- When scan is complete, click **Next** to go to Channel Manager.

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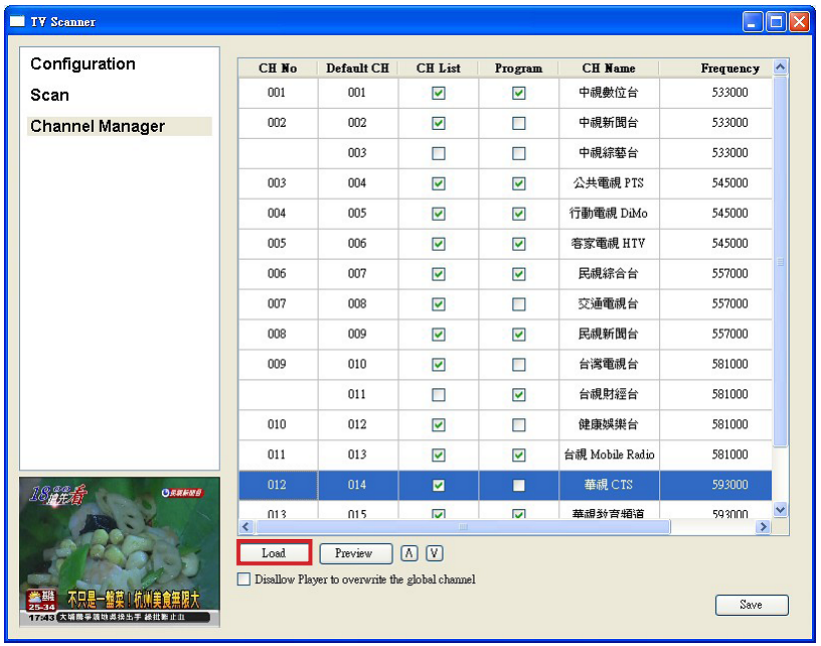
Channel Manager

You can view available channel information in the Channel Manager section, including CH No., Default CH, CH List, Program, CH Name and Frequency. If you have previously skipped the Scan section, you won't be able to see the channel list. Click **Load** button to load a specific TVChannel.xml file previously saved.



- Default CH/Available channels are listed based on the scan result or
- TVChannel.xml file loaded.
- If you want to add specific channel to favorite channel list, highlight the channel item first then check the **CH List** box.
- The favorite channel list order is reflected by the **CH No** column.
- You can change the order by clicking "Λ" or "V" on the bottom of the page.
- You can also check a specific **Program** from the selected **CH List** to create a .tv file for your presentation design.
- To view a TV channel, select a specific **Default CH** then click **Preview**
- To preview another channel, highlight the channel then click Preview again.
- Double click the specific **CH Name** if you want to edit the channel name.
- Double click the **Frequency** if you want to fine tune the frequency range. The range can be set within +-1000 of the scanned frequency value.
- You can check/uncheck all favorite channels or programs by clicking **CH List** or **Program**.
- **"Disallow Player to overwrite the global channel"** is checked by default not allowing the Player to change the channel settings. Uncheck it if you may change the settings on the Player web management console later.
- Click Save.
- A message will pop up indicating the files **TVchannels.xml** and **.tv files** will be saved in C:\PowerDigiS\TV directory. Click **OK**.
- Please note that the old TVChannel.xml and .tv files will be overwritten every time the new files are saved.

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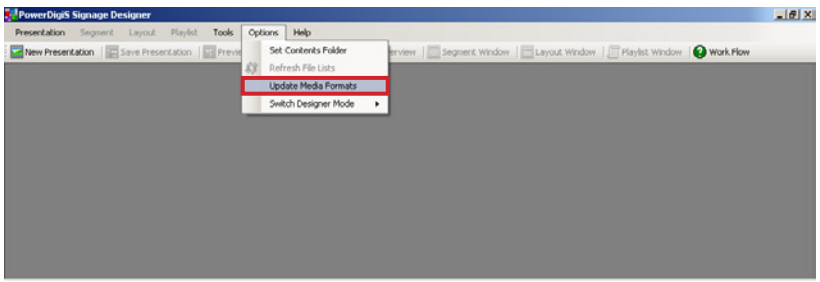
TV Signage Presentation design and upload

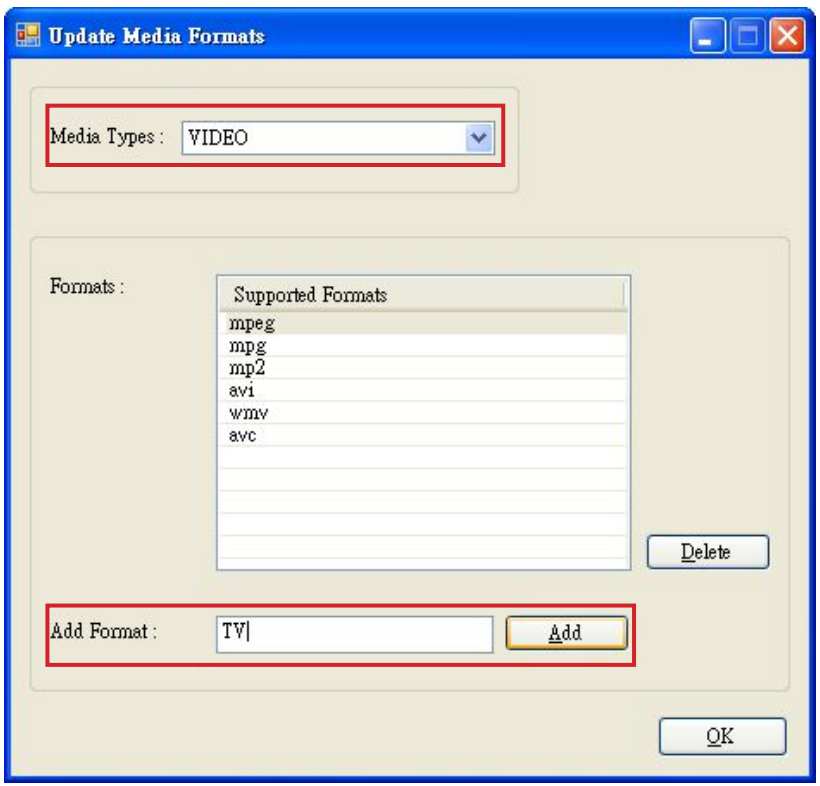
Now you can start with TV Signage configuration. Follow the "Basic Digital Signage Workflow" described in Chapter 3 to create, design and upload your presentation for the Player to display. Below are additional notes you need to be aware for the TV signage presentation design.

Update TV media format

- Prior to adding a TV content file (playiem) to a new Playlist, you need to verify if the Designer supports the TV format.
- From the **Option** drop-down menu, click **Update Media Formats**.



- From the Media Type drop-down menu, select **VIDEO**. The supported media formats will be listed in the box below.
- If you do not see the TV format, click **Add** to enter TV to add it in the supported media formats.



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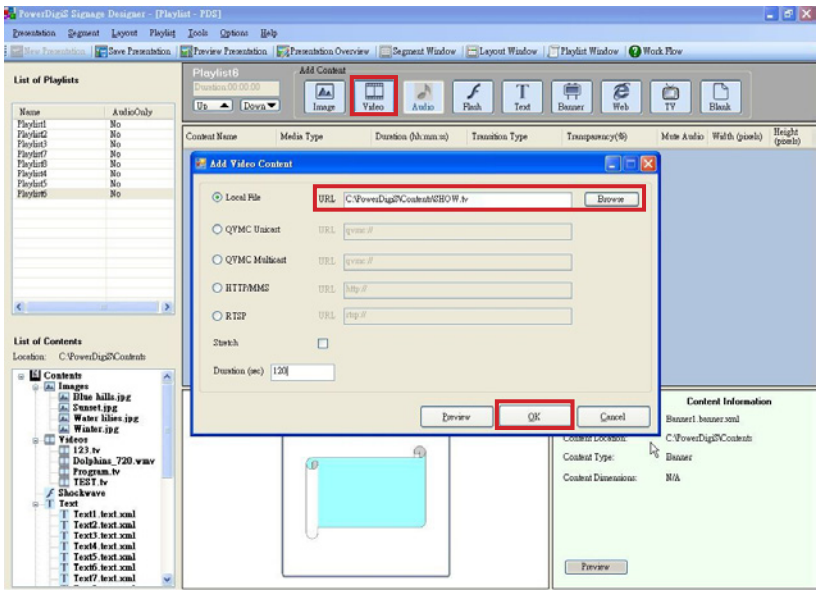
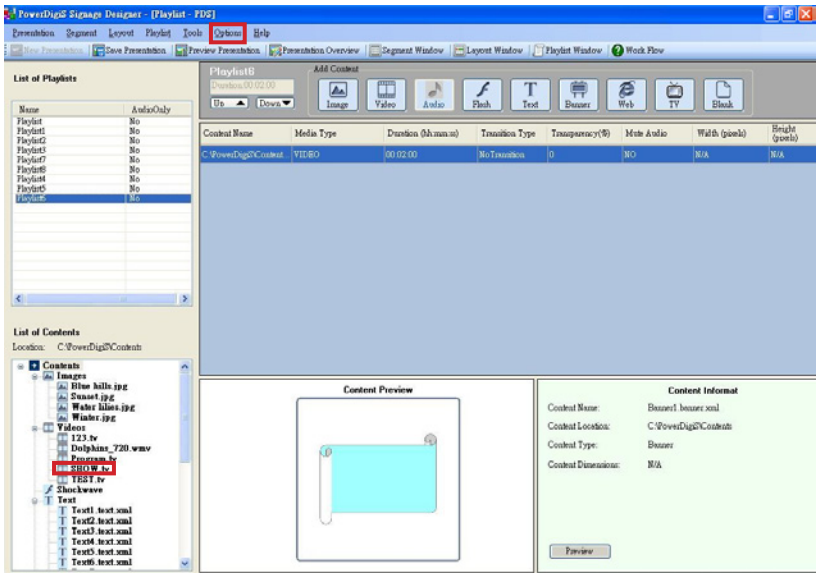
Add TV Content to the Playlist & Refresh the Content Library

- To add a local TV content file to the Playlist, follow the steps below:
  - Click **Video** from the Add Content Tools panel
  - Click **Browse** to locate the TV content file in the local drive.
  - Specify the play duration for the TV content
  - Click **OK**.



  - From the **Option** menu, click **Refresh File Lists** to add TV content into the Content Library. You can find the .tv file you just added have been organized automatically under the Videos category in the **List of Contents** in the lower left area of the Designer console.



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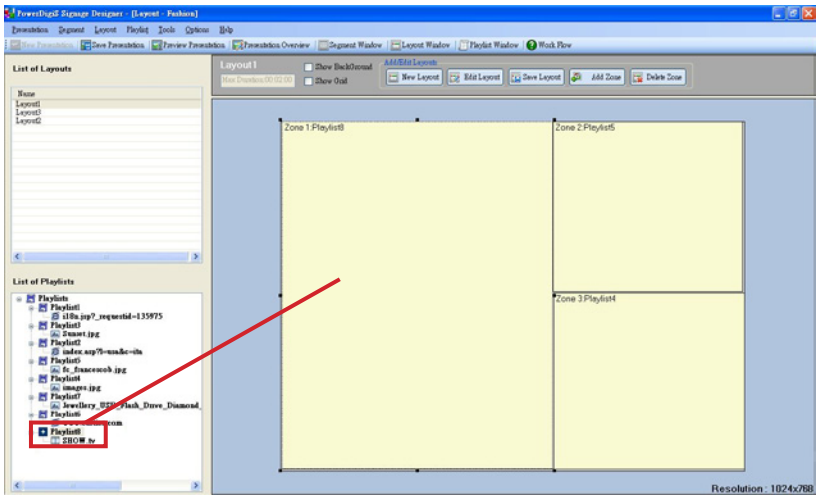
Associate the TV Playlist to the zone

When you design your presentation, please make sure to create a dedicated zone for TV Playlist as each presentation can only include one TV Playlist associated with one zone If you associate multiple TV Playlists with multiple zones, the presentation upload will fail.

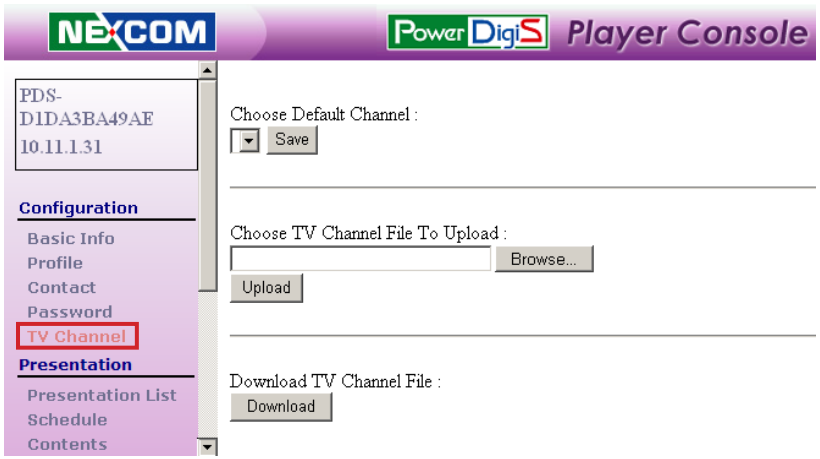


Select a TV Channel to Play

After the TV Signage presentation has been uploaded to the Player, the channels you have previously selected from the Channel Manager will be listed in Default Channel dropdown menu under TV Channel section on Player web management console.

If you have previously unchecked **"Disallow Player to overwrite the global channel"** from the Channel Manager, you can still change the TV channel settings from the Player web management console while presentation is playing.

- On the left column of the Player Web Management Console, click **TV Channel**.



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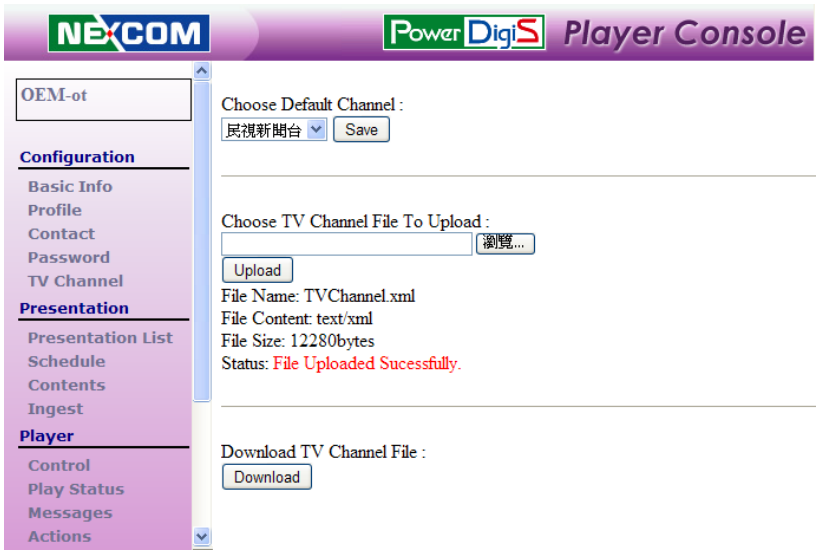
Choose a Default Channel

- To change a default channel, select a different TV channel from the dropdown menu. Click **Save**.
- If there is a TV Signage presentation currently being displayed, the Player will
- be automatically launched again to play the newly-selected channel.

Choose a TV channel file to upload

- You can also choose to upload a different TVChannel.xml file. Click **Browse** to locate the file then click **Upload**.
- When the file has been uploaded successfully, you need to refresh the window for the new channels to appear in the default channel list.



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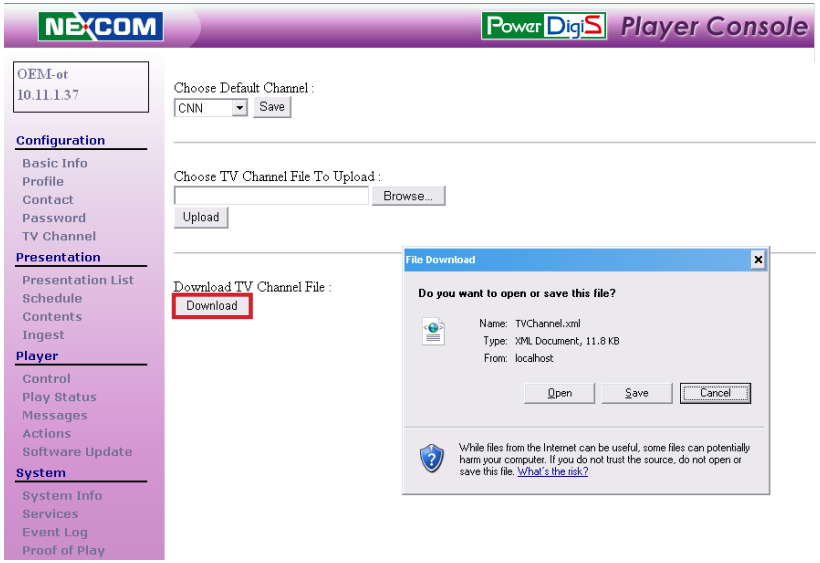
- If you want to download a TVChannel.xml file, click **Download**.



Video Wall Configuration and Presentation Design for PDS 7740

The PDS7740 is a revolutionary video wall player capable of combining four display devices into a full video wall. The PDS7740 receives and displays image or video contents on full screen matrix or any size of a rectangle area at any screen location. The video outputs can be independently adjusted via handy driver utility to unify the display quality in the screen matrix.

The following step-by-step procedure is provided to guide you through how to configure the PDS7740 and how to design a presentation to be played on this model.

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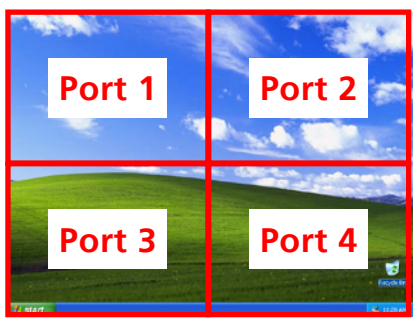
Configuring PDS 7740 Player

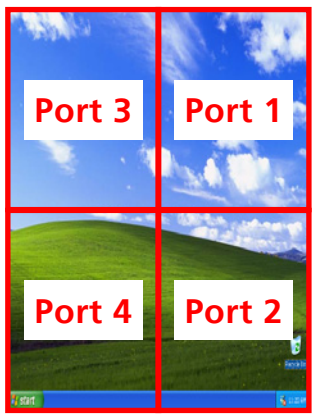
1. Defining the screen matrix format of the video wall

To configure the PDS 7740, first you need to define the screen matrix format of the video wall. The construction of the screen matrix can be arranged in various rectangular formats, including 1x4, 4x1 and 2x2.

The screen and video output port mapping for Landscape video wall will appear as below:



The screen and video output port mapping for Portrait video wall will appear as below:



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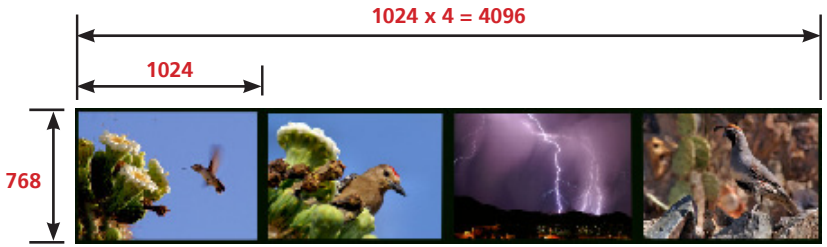
2. Adjusting the video wall screen resolution

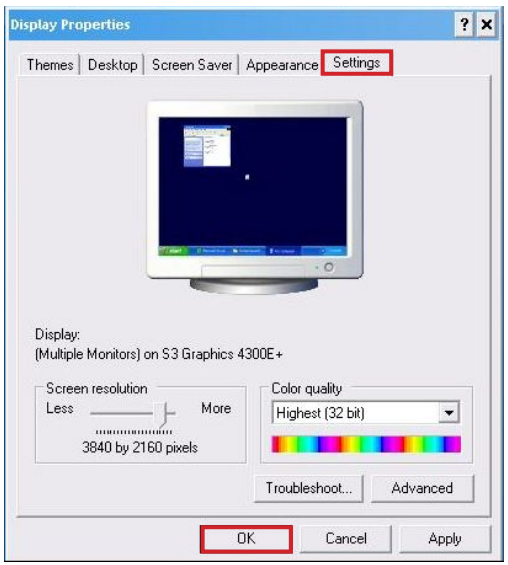
Video-wall's resolution display capacity depends on the arrays of display devices maintaining the image quality regardless of the display size.

Take the following illustration for example. It outputs a resolution of 4096 x 768 pixels to a 4 x 1 screen matrix.



To change the screen resolution of the video wall, follow the steps below:

- Right-click on the Windows desktop and select **Properties** from the shortcut menu.
- Click the **Settings** tab.
- Drag the Screen resolution slider to select the display resolution you want to use.
- Click **OK**.



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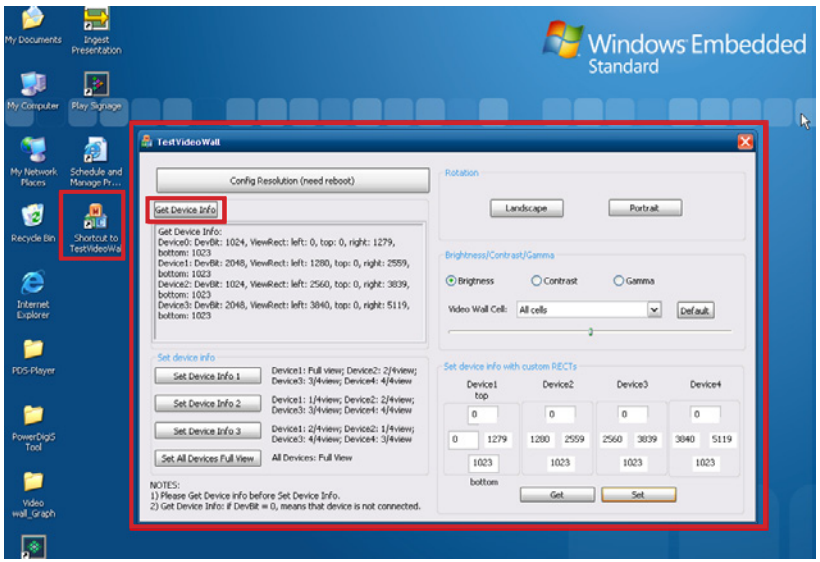
3. Advanced settings for 2x2 video wall

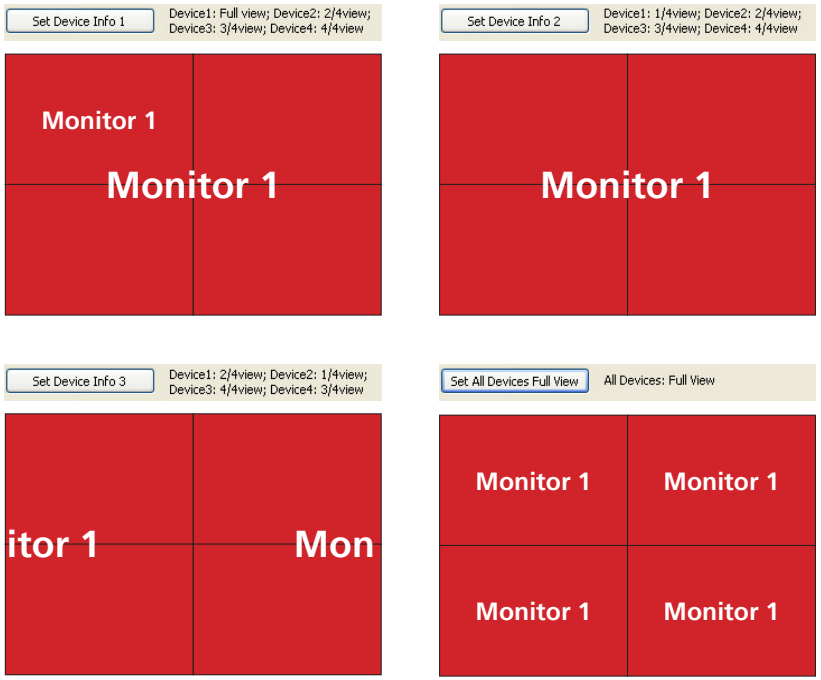
You can configure a 2x2 video wall via Windows Display setting as well as the TestVideoWall utility. This video wall utility offers advanced configuration options for setting up a 2x2 video wall only.

On the Windows desktop, click the **TestVideoWall** program icon. It will bring up the video wall configuration window shown as below.



The **"Get Device Info"** button allows you to view the current display layout setting of the video wall.

The **"Set Device Info"** button allows you to create different video-wall effects shown as below:



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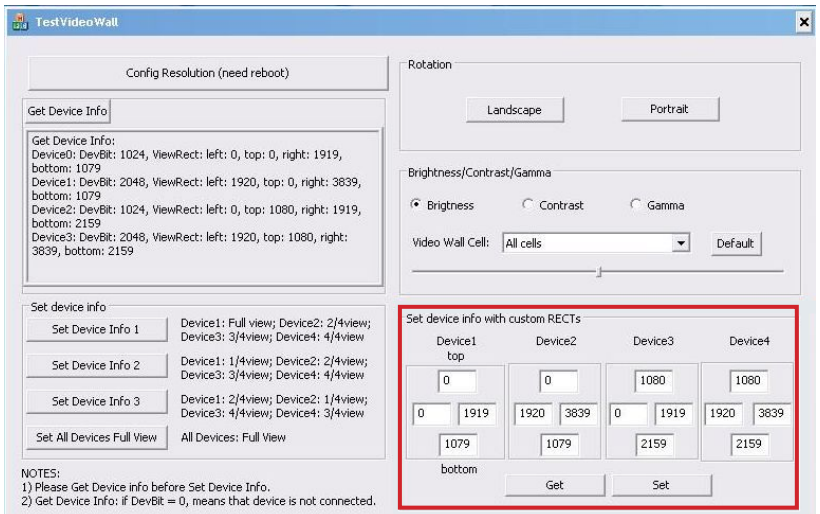
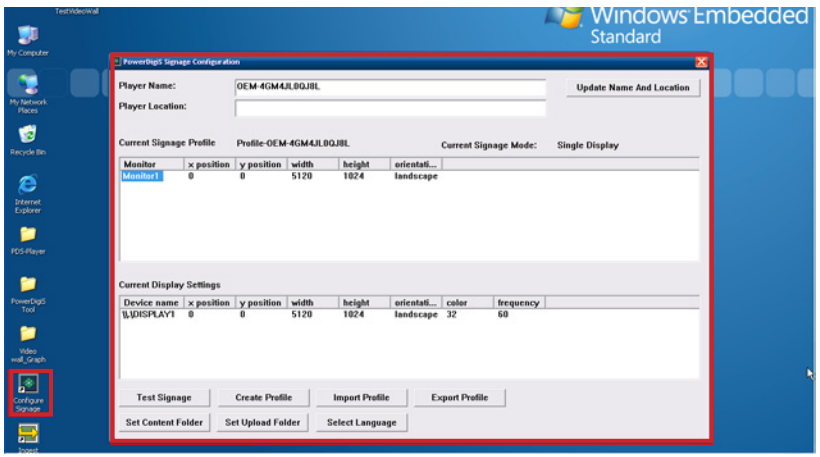
As the screens are tiled in video wall, there is a gap between two screens in both horizontal and vertical directions. Therefore, the horizontal as well as vertical shift of the spit video/ image is needed to ensure the video/image display appears continuous on the video wall. The Set device info with custom RECTs pane located in the lower right corner enables you to manually calibrate the geometry setting for each screen device attached to the video wall player.


TestVideoWall
Config Resolution (need reboot)
Get Device Info
Get Device Info:
Device0: DevBit: 1024, ViewRect: left: 0, top: 0, right: 1919, bottom: 1079
Device1: DevBit: 2048, ViewRect: left: 1920, top: 0, right: 3839, bottom: 1079
Device2: DevBit: 1024, ViewRect: left: 0, top: 1080, right: 1919, bottom: 2159
Device3: DevBit: 2048, ViewRect: left: 1920, top: 1080, right: 3839, bottom: 2159
Rotation
Landscape
Portrait
Brightness/Contrast/Gamma
Brigtness
Contrast
Gamma
Video Wall Cell:
All cells
Default
Set device info
Set Device Info 1
Device1: Full view; Device2: 2/4view; Device3: 3/4view; Device4: 4/4view
Set Device Info 2
Device1: 1/4view; Device2: 2/4view; Device3: 3/4view; Device4: 4/4view
Set Device Info 3
Device1: 2/4view; Device2: 1/4view; Device3: 4/4view; Device4: 3/4view
Set All Devices Full View
All Devices: Full View
NOTES:
1) Please Get Device info before Set Device Info.
2) Get Device Info: if DevBit = 0, means that device is not connected.
Set device info with custom RECTs
Device1
Device2
Device3
Device4
top
bottom
Get
Set

4. Configuring the Player Signage Profile

The Signage Player Profile defines the display properties of a Player System. After the screen matrix has been properly configured, you need to define the Signage Player Profile and make sure it is consistent with the video wall display setting before uploading any multimedia presentation to the Player system

- Click **Configure Signage** program icon ossn Windows desktop.



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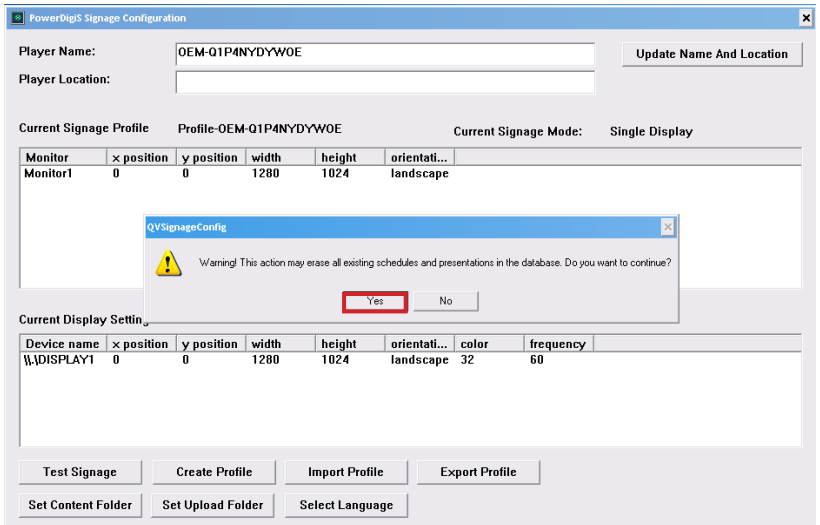
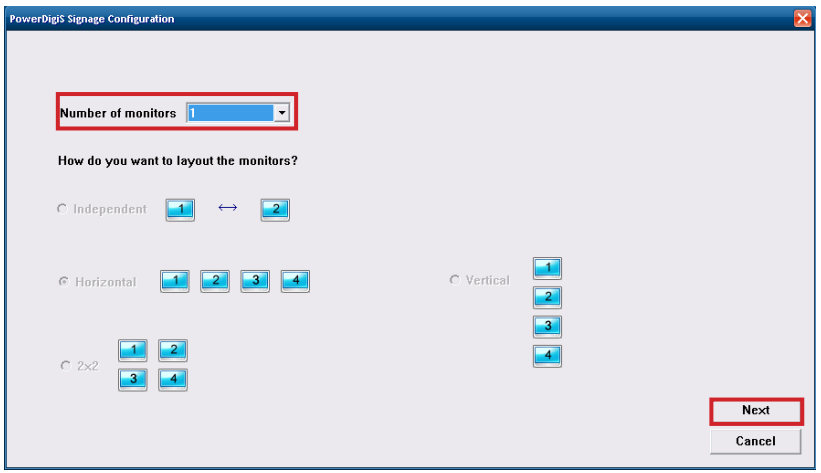
- In the Signage Configuration dialog box, click **Create Profile**. The following warning message will appear. Click **Yes** to continue.



- The dialog box below will appear allowing you to define number of the monitors attached to the Player. Select **"1"** from the Number of monitors drop-down menu then click **Next**.



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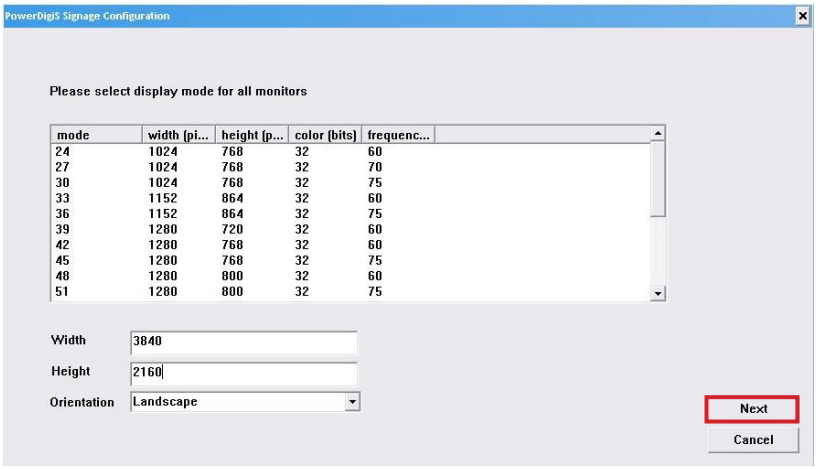
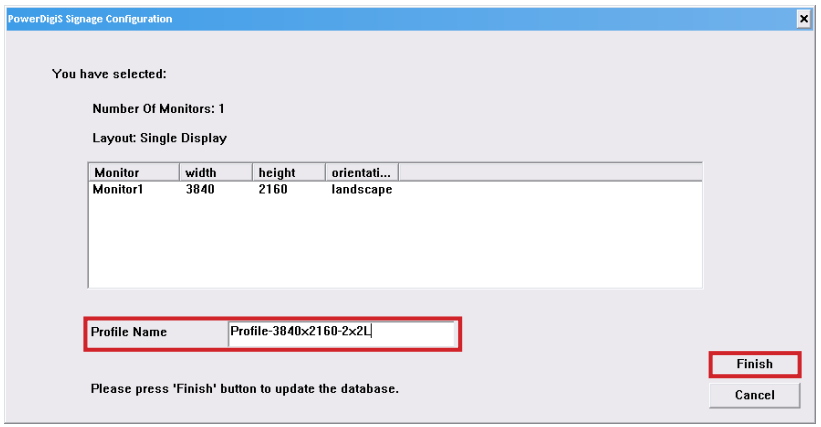
- Enter the defined resolution (3820x2160 in this case) and select the orientation for the display monitor then click **Next**.



- Enter the profile name in Profile Name field. Click **Finish**.



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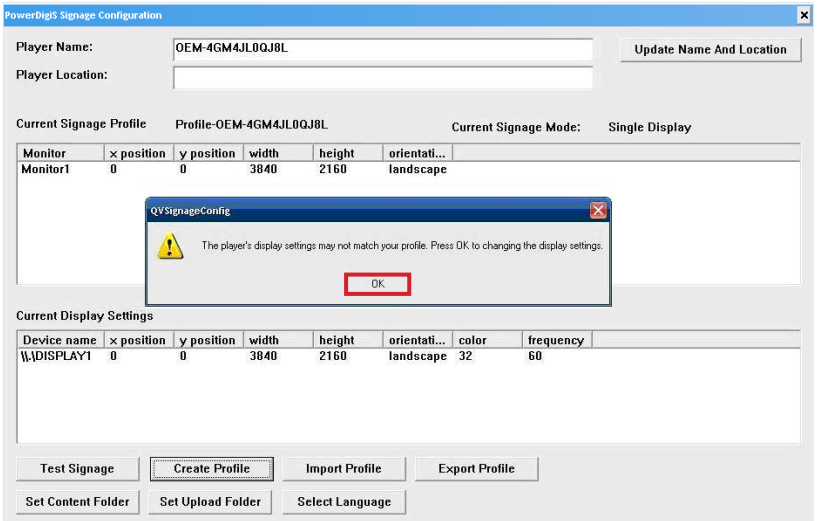
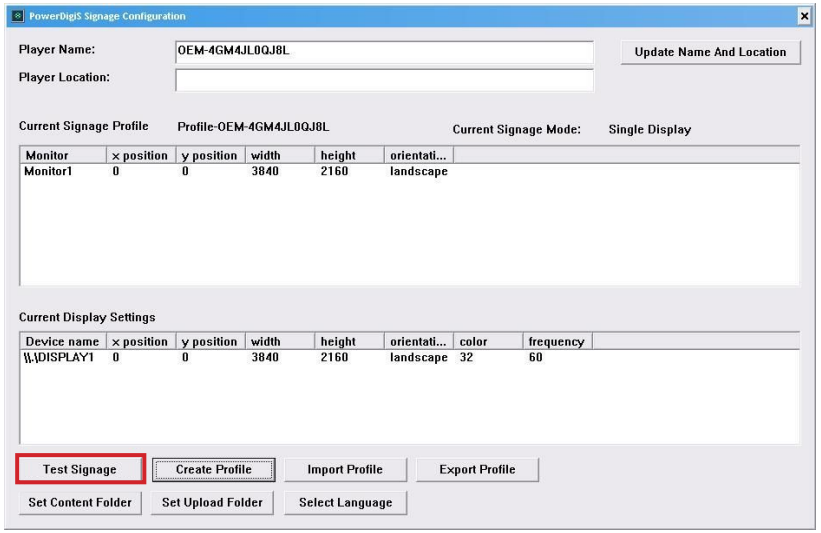
- When the message about completing configuration appears, you will be prompted to reset the system display settings to match the profile. Click **OK** to continue



After you have created a new signage profile for the Player, you can check the profile configuration by clicking **Test Signage** button in the main dialog box.



You should see below picture span across all the displays attached to the video wall player. Click on the screen to return to Windows desktop.

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Designing a Presentation for PDS 7740

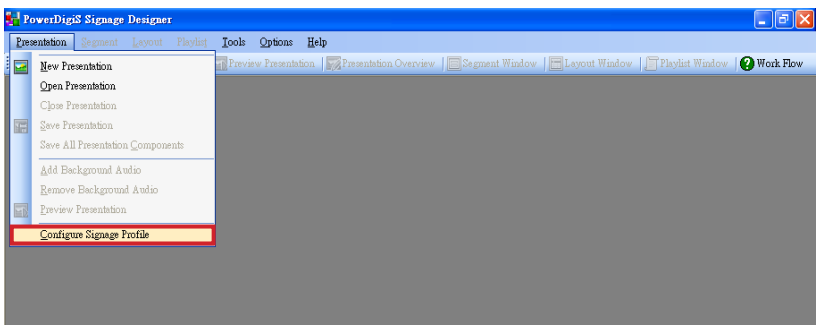
Regardless how you partitioned the screen matrix for the video wall you created, please always keep in mind that all the attached displays have been logically integrated into one big video-wall screen by the video wall driver. Therefore, when you design a presentation for a video wall, you can simply imagine you are working on a Player attached with a huge display device.

The following example is to generally depict how a presentation is created and designed for a 2x2 video wall player using the PowerDigiS Designer software. For more information on presentation design workflow, please refer to **Chapter 3 "Basic Digital Signage Workflow"** for details.

1. Configuring Signage Profile

Before you create a new presentation, make sure you already have a signage profile located somewhere in the PC where you will run the Presentation Designer software. You can import the profile from the PDS Player you just configured and save it under C:\PowerDigiS\Profiles. Otherwise, please follow the steps below to create a signage profile using the PDS Presentation Designer software.

- On the Presentation Designer console, click **Presentation** and from the dropdown menu, select **Configure Signage Profile**.



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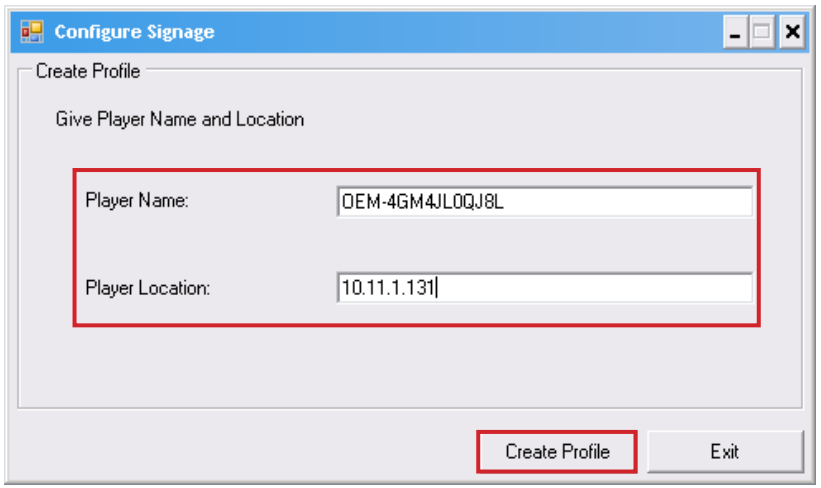
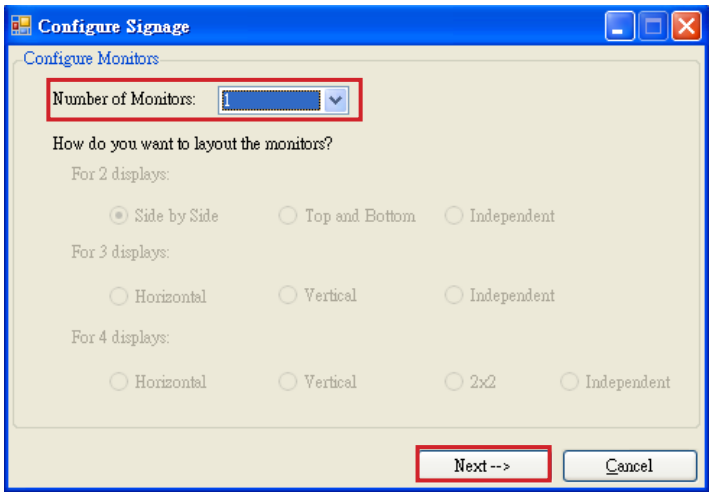
- In the Create Profile dialog box
  - Enter the **Player Name**.
  - Enter the **Player Location**.
  - Click **Create Profile**.



- In the **Configure Monitors** dialog box:
  - Select **"1"** in the **Number of Monitors** field.
  - Click **Next** to proceed.



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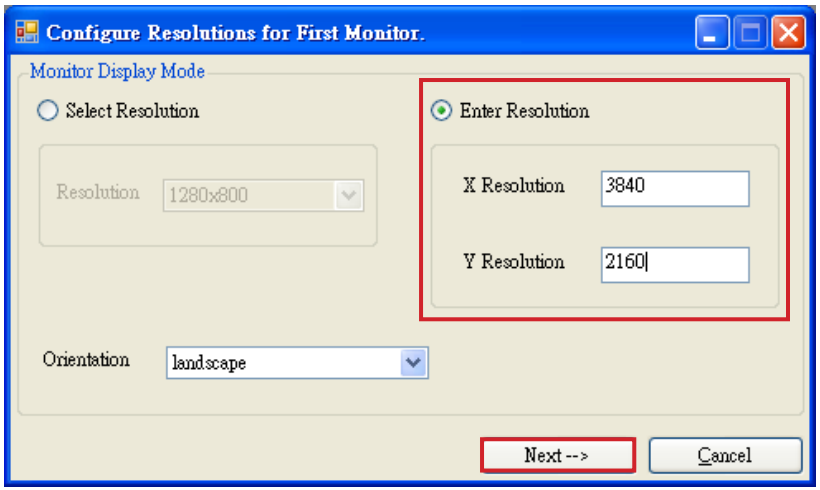
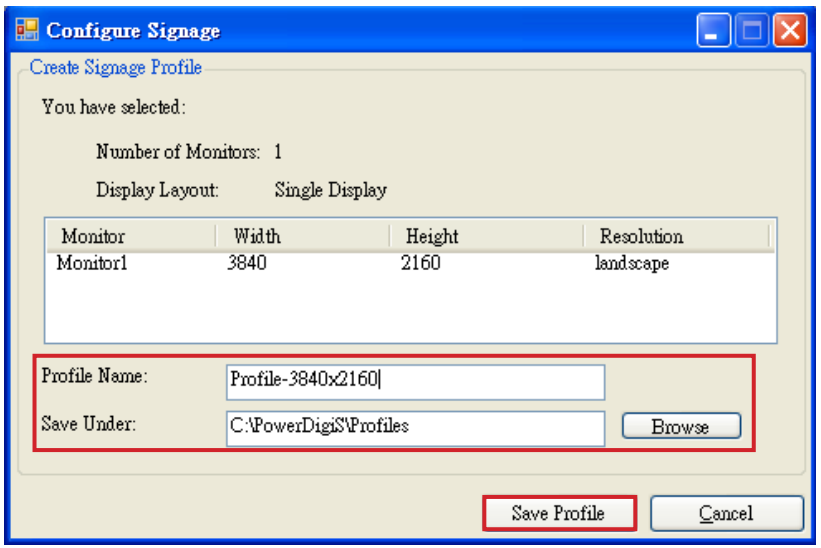
- In the **Monitor Display Mode** dialog box:
  - Enter the defined resolution 3840x2160.
  - Click **Next**.



- In the **Create Signage** Profile dialog box:
  - Name the signage profile in the **Profile Name** field.
  - Click **Browse** to select the location where you want to save the signage profile.
  - Click **Save Profile**.



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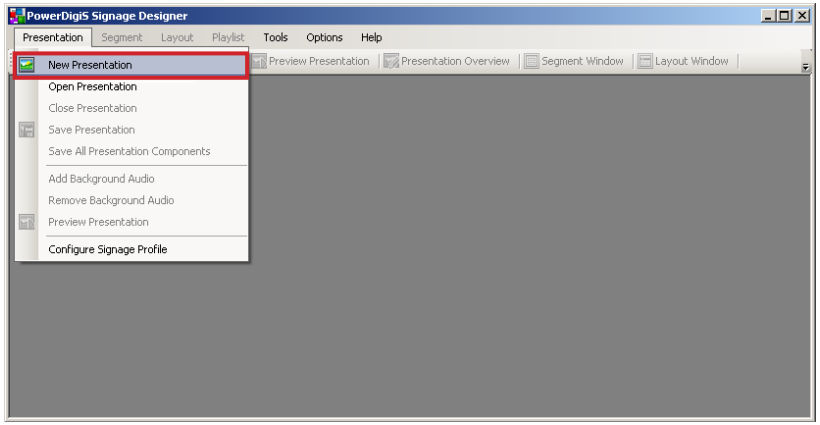
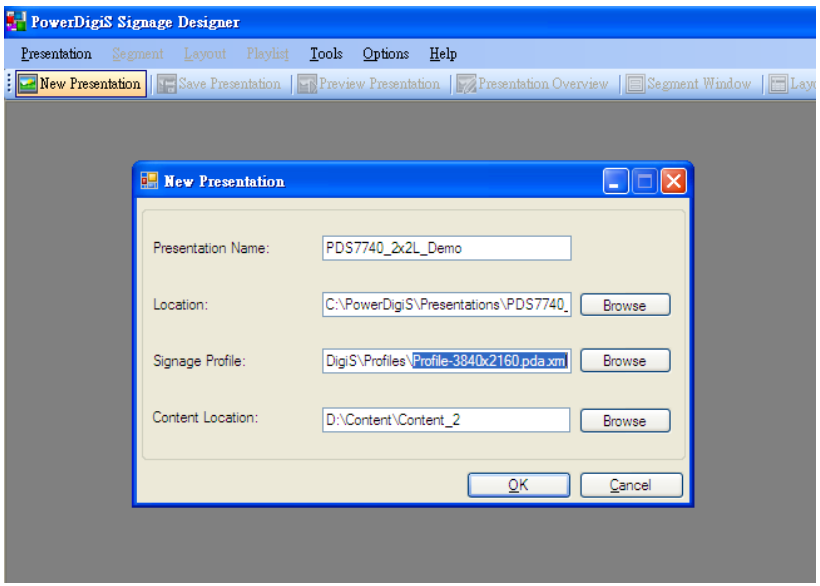
2. Creating a new presentation

- From **Presentation** menu, select **New Presentation**.



- In the New Presentation dialog box, enter a name for the Presentation in **Presentation Name**.
- In **Location**, click **Browse** to select a folder where you want to save the presentation file.
- In **Signage Profile**, click **Browse to** locate Signage Profile previously saved.
- In **Content Location**, click **Browse** to locate where the local media content files were stored.
- Click **OK**.



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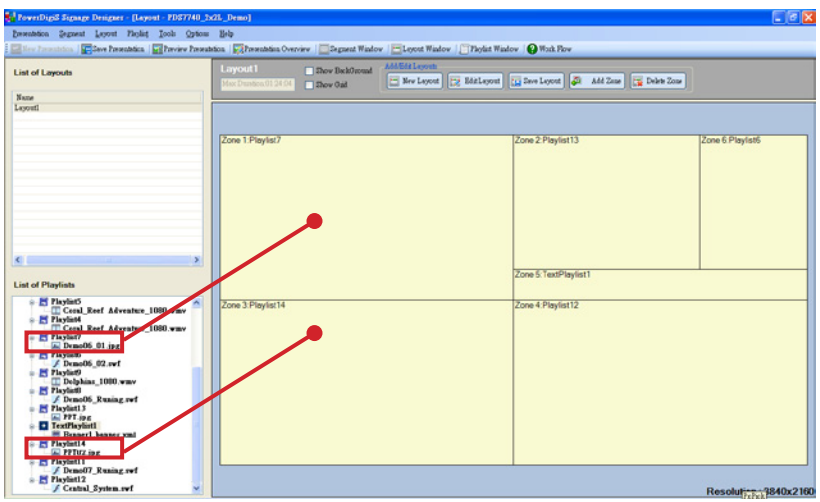
3. Designing a Presentation

After you have created a presentation file, you can now go on with the presentation design. Suppose you are designing a presentation which is composed of multiple segments. Each segment is associated with a unique layout. Here we will provide you with a few examples of how to create layouts for different presentation design on the video wall.

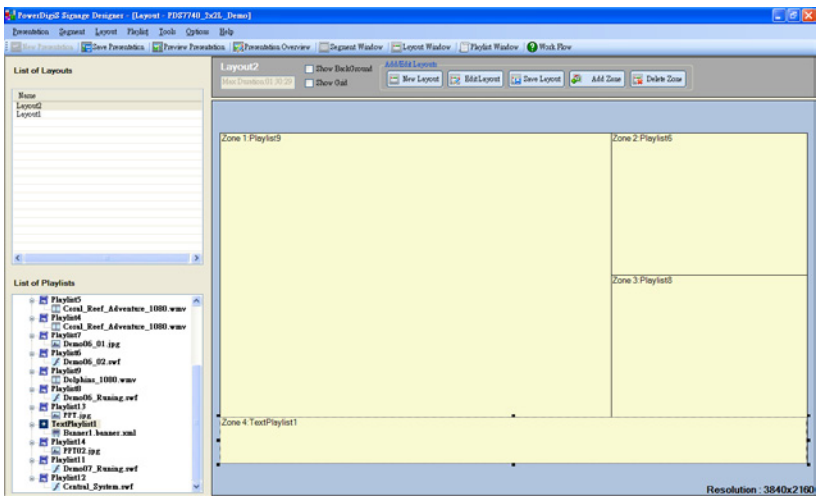
Layout with different scenes-I

If you want to create a layout that intends to show different scenes on each display device of the video wall as depicted in the picture below, you will need to create six zones in the layout design then associate different playlist with each zone.



Layout with different scenes-II

To create a layout that shows multiple scenes on each attached display of the video wall as depicted in the picture below, you will need four zones in total in the layout design.



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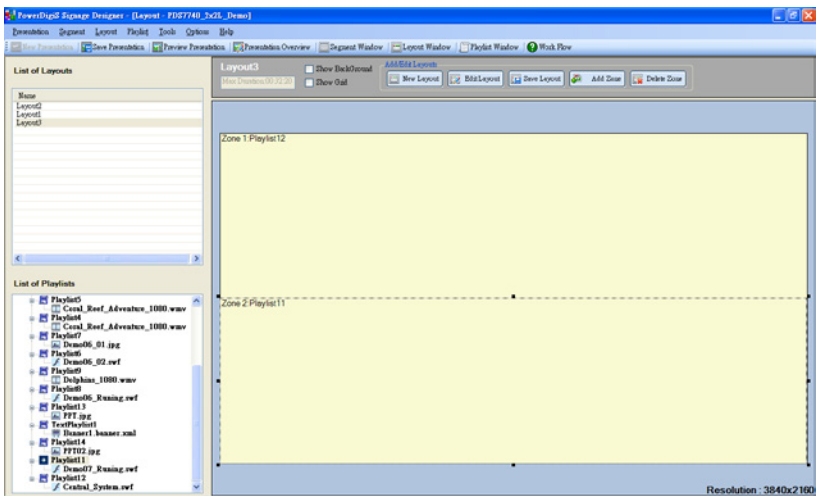
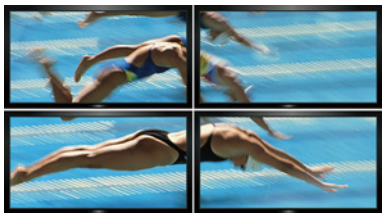
Layout with two input contents expanded over two screens

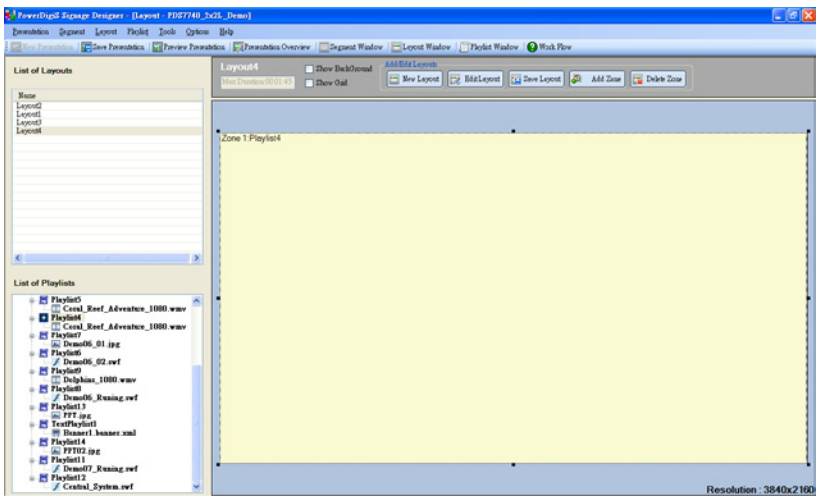
To create a layout which allows two input contents to be expanded over two screens horizontally, you can simply add two zones to occupy the whole layout area shown as below.



Layout with a full-screen video span across the screens

Similarly, to create a full-screen video spanning across all four displays, the whole layout area needs to be occupied with one zone shown as below.





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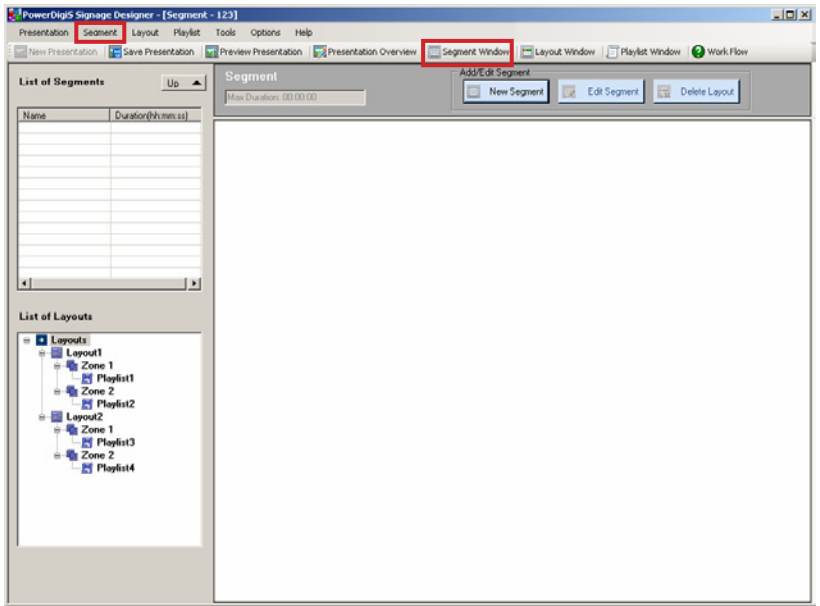
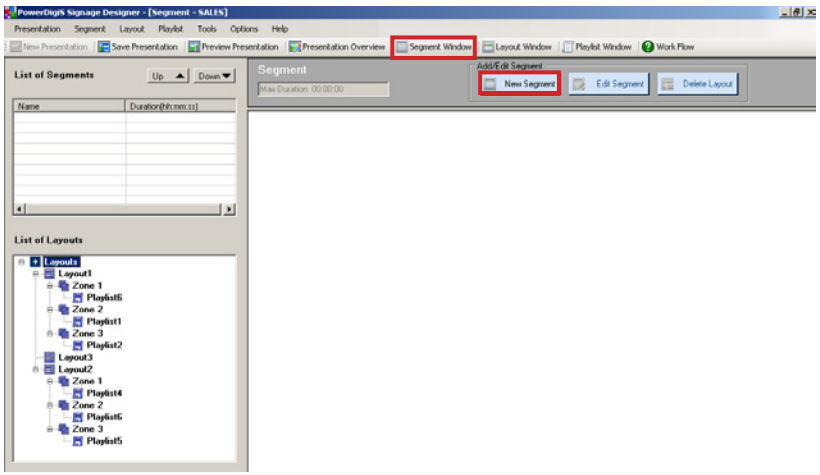
After you have created all the layouts for the presentation, you need to create presentation segments then assign a layout to each segment.

- Click **Segment Window**.



- Click **New Segment** from the Add/Edit Segment Tools Panel on the top of the screen.



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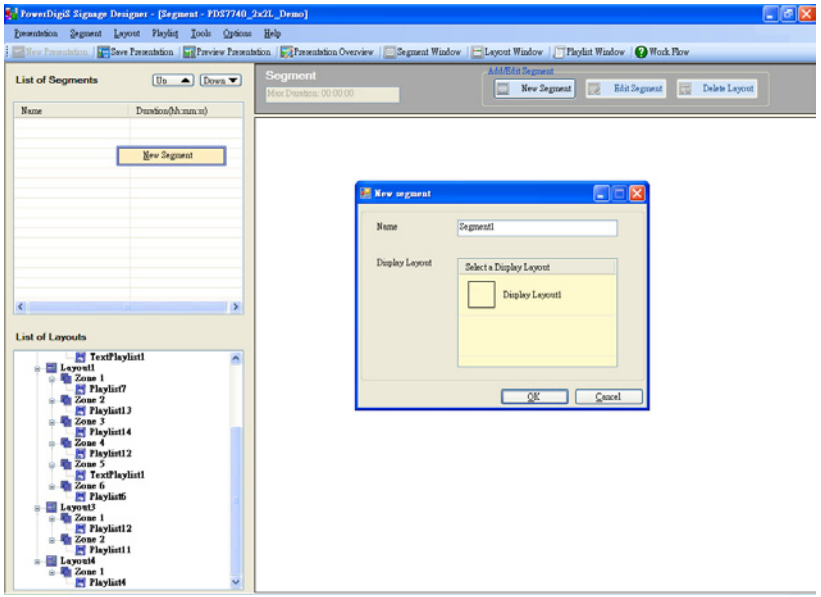
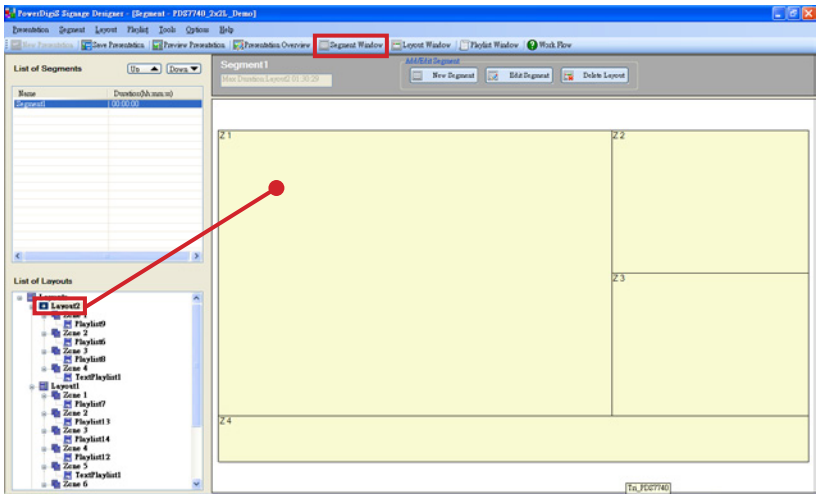
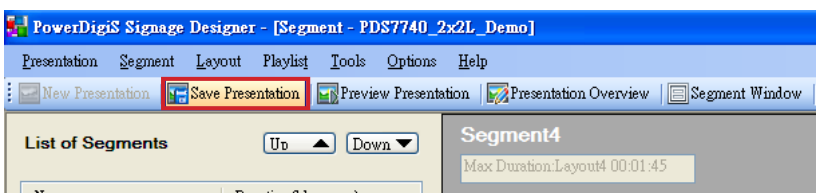
- In the **New Segment** dialog box, enter the name of the Segment.



- From the **List of Layout** Window, click a Layout and drag your mouse to add the layout to the Segment area.



- Repeat the steps above to create more presentation segments for the layouts you previously designed.
- Then click **Save Presentation**. Now you can preview the presentation to see whether the presentation has been designed as you expected before you publish it.



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PDS 5541 Portrait Independent Configuration and Presentation Design

In this section, we will use PDS 5541 as an example to provide you with a step-by-step procedure on how to configure the PDS Player in independent mode and how to design a presentation to be displayed on the Player.

With independent mode arranged for PDS Player, each monitor can display the same or different presentations and user can set different schedule for each presentation.

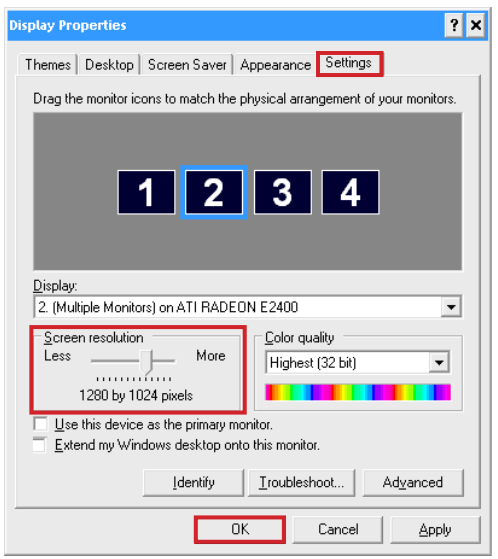
Configuring PDS 5541 Player

1. Defining the display resolution of each display device

To configure the PDS 5541, first you need to define the resolution for each independent display monitor attached to the Player.

To change the display resolution of each monitor, follow the steps below:

- Right-click on the Windows desktop and select **Properties** from the shortcut menu.
- Click the **Settings** tab.
- Drag the Screen resolution slider to select the display resolution you want to use. We will use 1280x1024 in this example.
- Click **OK**.



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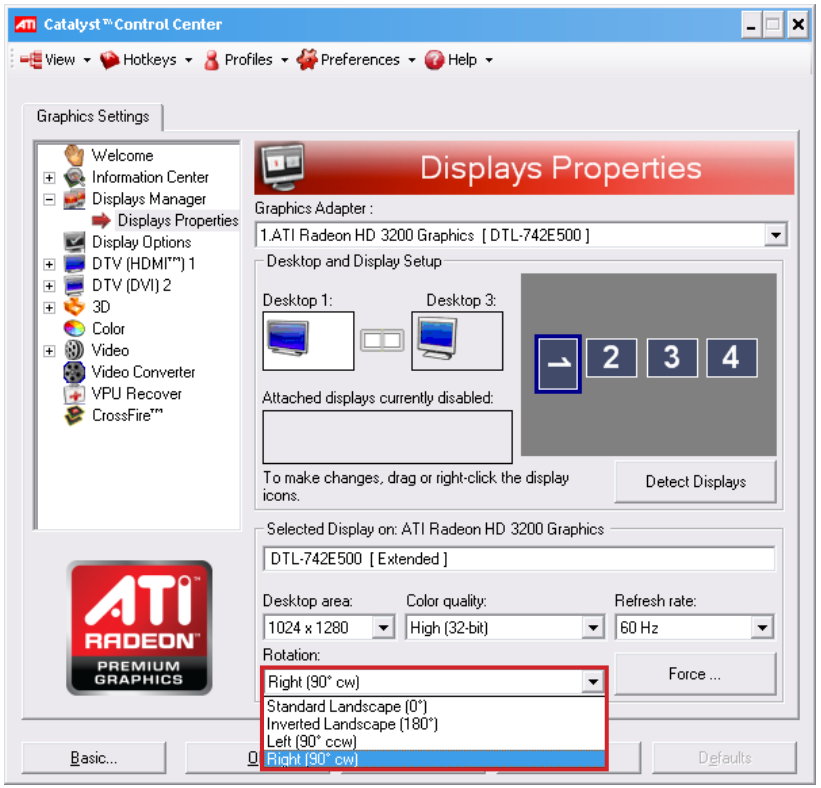
2. Adjusting display orientation and image scaling

Next you can use the pre-configured ATI driver utility in PDS 5541 to adjust the display orientation and image scaling.

- Right click on the Windows desktop and select **ATI Catalyst Control Center** utility.

- Select **Display Manager** on the left pane to adjust display orientation. Select **Right/Left (90 cw)** from the Rotation dropdown menu for the first display. Repeat the same steps for the rest of the displays.



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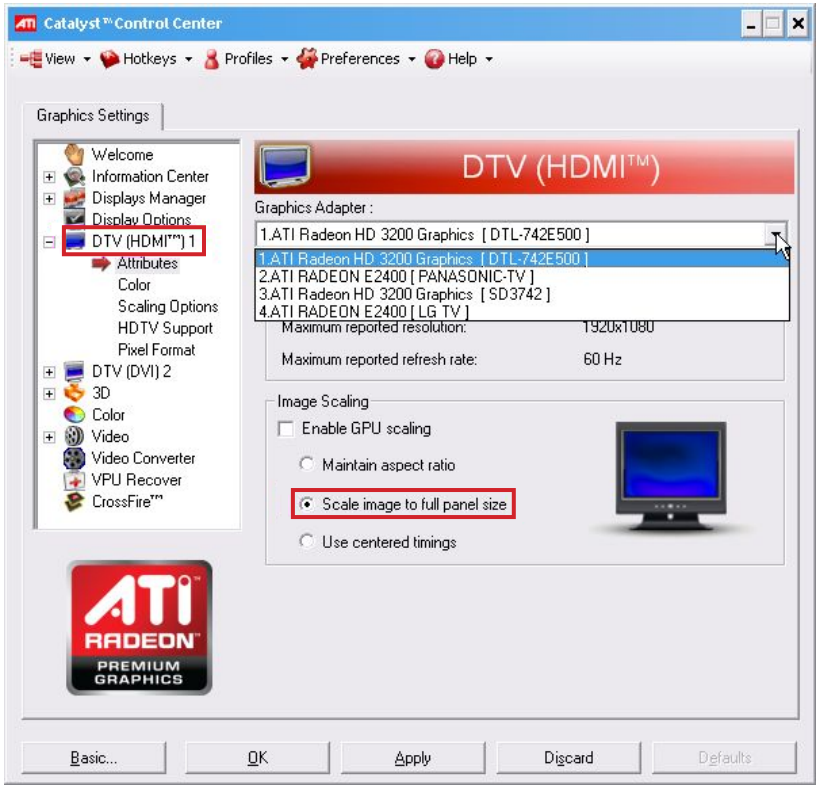
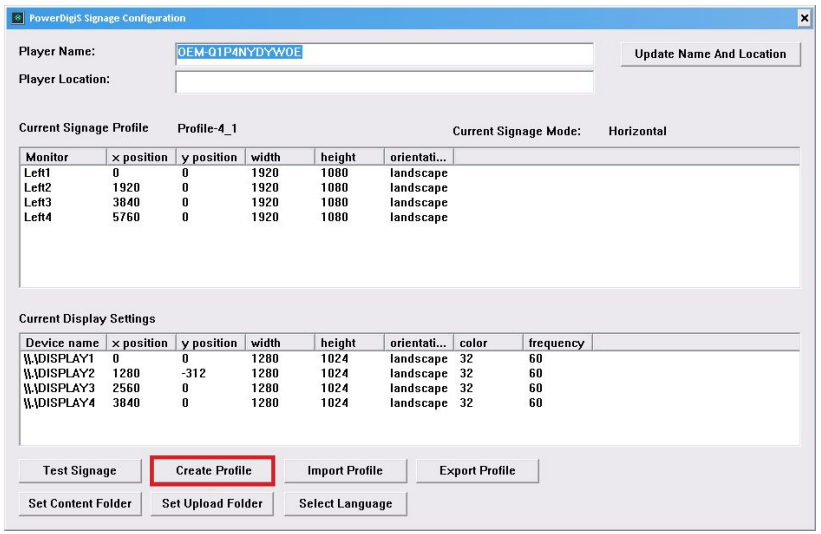
- Next select **DVI 1** in the left pane and scale image to full panel size for each display.



3. Configuring the Player Signage Profile

The Signage Player Profile defines the display properties of a Player System. After the screen display resolution and orientation have been properly configured, you need to define the Signage Player Profile and make sure it is consistent with each monitor display setting before uploading any multimedia presentation to the Player system

- Click **Configure Signage** program icon on Windows desktop. In the Signage Configuration dialog box, click **Create Profile**.


PowerDigiS Signage Configuration
Player Name:
OEM-01P4NYDYW0E
Update Name And Location
Player Location:
Current Signage Profile
Profile-4_1
Current Signage Mode:
Horizontal
Monitor | x position | y position | width | height | orientati...
Left1 | 0 | 0 | 1920 | 1080 | landscape
Left2 | 1920 | 0 | 1920 | 1080 | landscape
Left3 | 3840 | 0 | 1920 | 1080 | landscape
Left4 | 5760 | 0 | 1920 | 1080 | landscape
Current Display Settings
Device name | x position | y position | width | height | orientati... | color | frequency
\\.\DISPLAY1 | 0 | 0 | 1280 | 1024 | landscape | 32 | 60
\\.\DISPLAY2 | 1280 | -312 | 1280 | 1024 | landscape | 32 | 60
\\.\DISPLAY3 | 2560 | 0 | 1280 | 1024 | landscape | 32 | 60
\\.\DISPLAY4 | 3840 | 0 | 1280 | 1024 | landscape | 32 | 60
Test Signage
Create Profile
Import Profile
Export Profile
Set Content Folder
Set Upload Folder
Select Language

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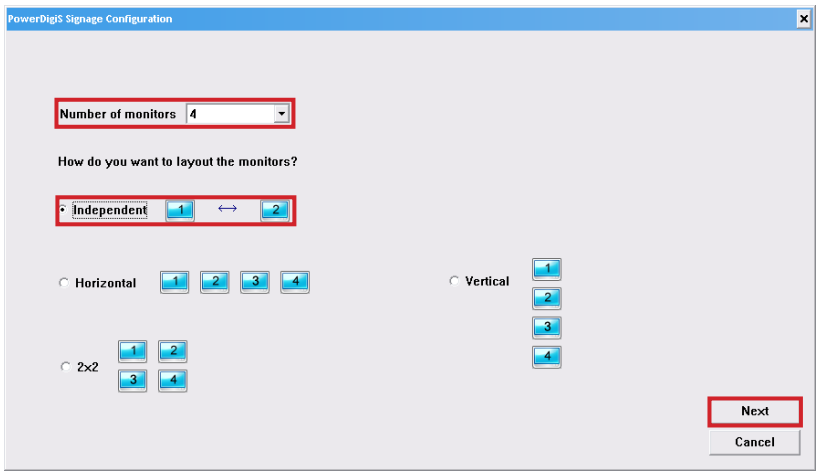
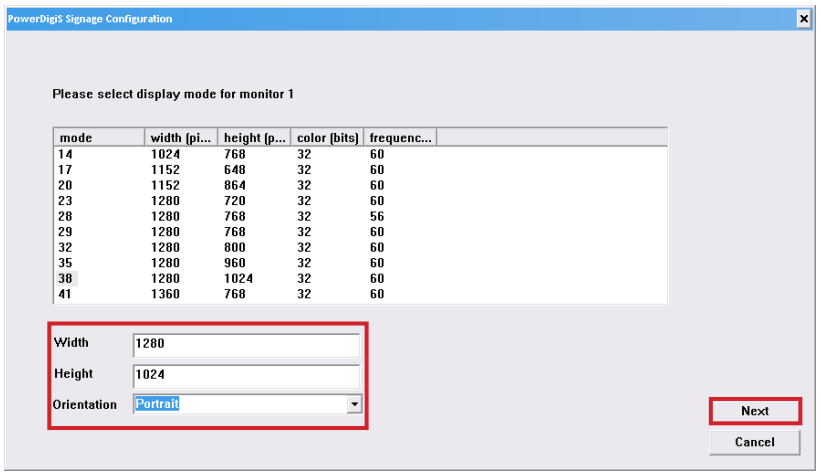
- The dialog box below will appear allowing you to define number of the monitors attached to the Player and the layout type of the monitors. Select **"4"** from the Number of monitors drop-down menu and check **Independent** mode. Click **Next**.



- Enter the defined resolution (1280x1024 in this case) and orientation (portrait) for monitor 1.
- Click **Next** to enter the same display layout setting for the rest of the monitors.



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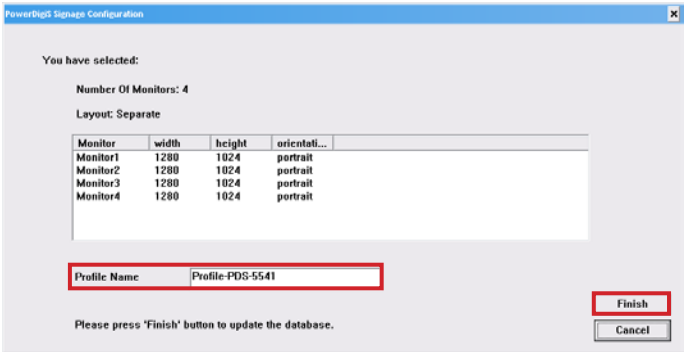
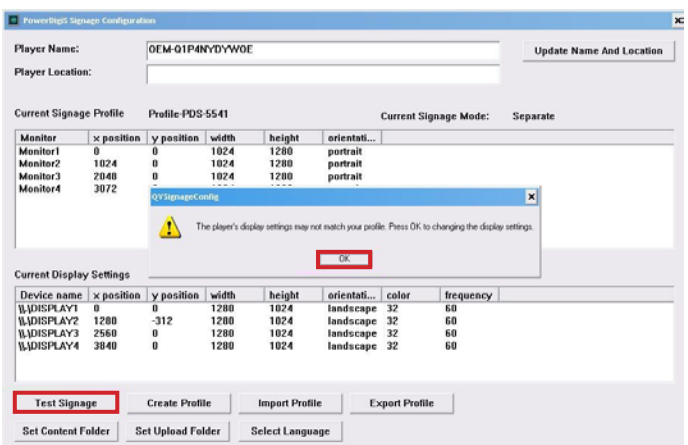
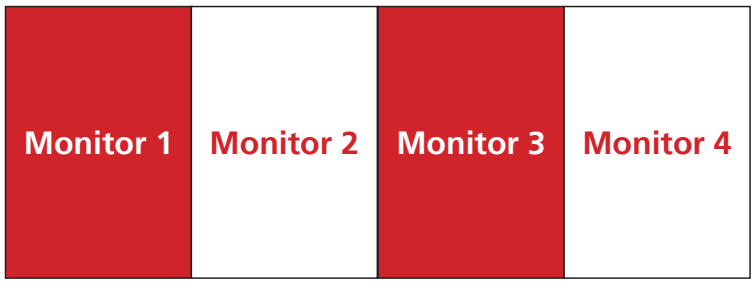
- Enter the profile name in Profile Name field. Click **Finish**.



- When the message about completing configuration appears, you will be prompted to reset the system display settings to match the profile. Click **OK** to continue


Player Name:
OEM-Q1P4NYDYW0E
Update Name And Location
Player Location:
Current Signage Profile
Profile-PDS-5541
Current Signage Mode:
Separate
Monitor x position y position width height orientati...
Monitor1 0 0 1024 1280 portrait
Monitor2 1024 0 1024 1280 portrait
Monitor3 2048 0 1024 1280 portrait
Monitor4 3072
QYSignageConfig
The player's display settings may not match your profile. Press OK to changing the display settings.
OK
Current Display Settings
Device name x position y position width height orientati... color frequency
\\.\DISPLAY1 0 0 1280 1024 landscape 32 60
\\.\DISPLAY2 1280 -312 1280 1024 landscape 32 60
\\.\DISPLAY3 2560 0 1280 1024 landscape 32 60
\\.\DISPLAY4 3840 0 1280 1024 landscape 32 60
Test Signage
Create Profile
Import Profile
Export Profile
Set Content Folder
Set Upload Folder
Select Language

- After you have created a new signage profile for the Player, you can check the profile configuration by clicking Test Signage button in the main dialog box. You should see below four pictures appear independently on each attached display. Click on the screen to return to Windows desktop.



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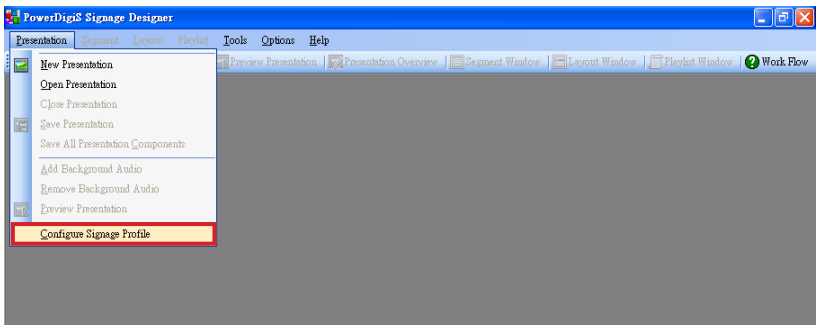
Designing a Presentation for PDS 5541

When it comes to presentation design for PDS 5541, you need to create the same or different presentations with the same Signage Profile for each display device since they are independent. The following is to generally depict how a presentation is created and designed in Independent mode for PDS 5541 player using the PowerDigiS Designer software. For more information on presentation design workflow, please refer to Chapter 3 “Basic Digital Signage Workflow” for details.

1. Configuring Signage Profile

Before you create a new presentation, make sure you already have a signage profile located somewhere in the PC where you will run the Presentation Designer software. You can import the profile from the PDS Player you just configured and save it under C:\PowerDigiS\Profiles. Otherwise, please follow the steps below to create a signage profile using the PDS Presentation Designer software.

- On the Presentation Designer console, click **Presentation** and from the dropdown menu, select **Configure Signage Profile**.



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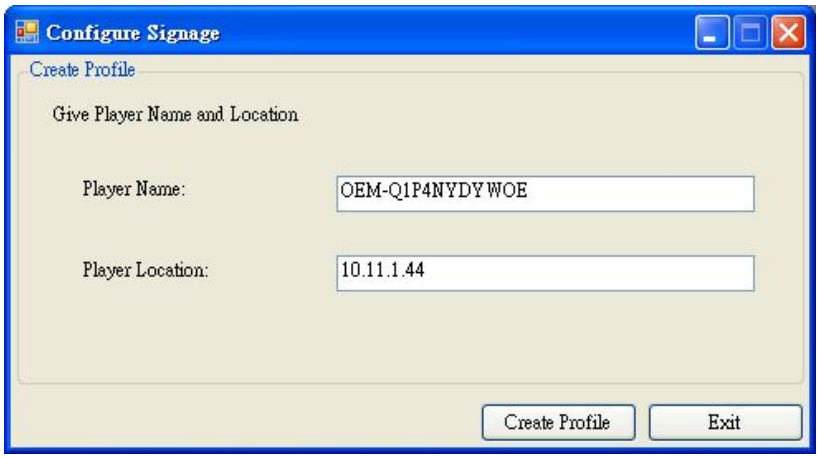
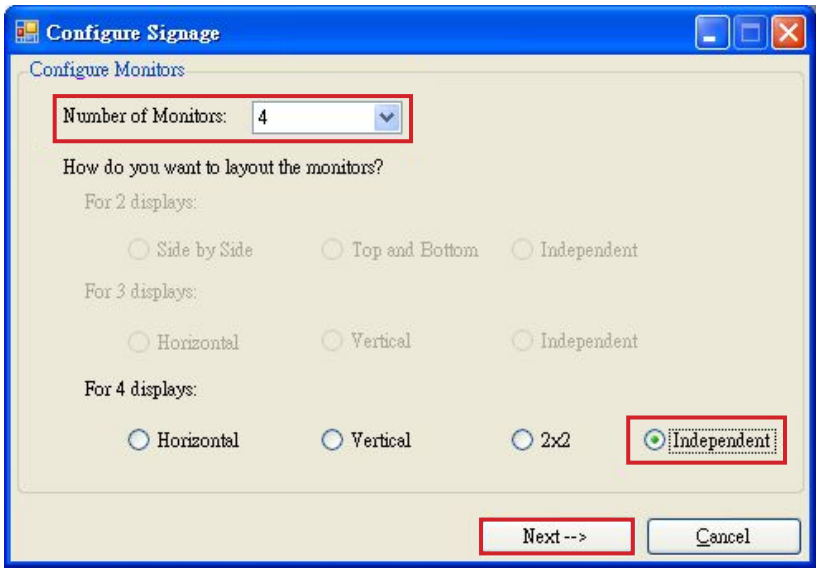
- In the Create Profile dialog box
  - Enter the **Player Name**.
  - Enter the P**layer Location**.
  - Click **Create Profile**.



- In the **Configure Monitors** dialog box:
  - Select **"4"** in the **Number of Monitors** field.
  - Select **Independent** for the display layout mode.
  - Click **Next** to proceed.



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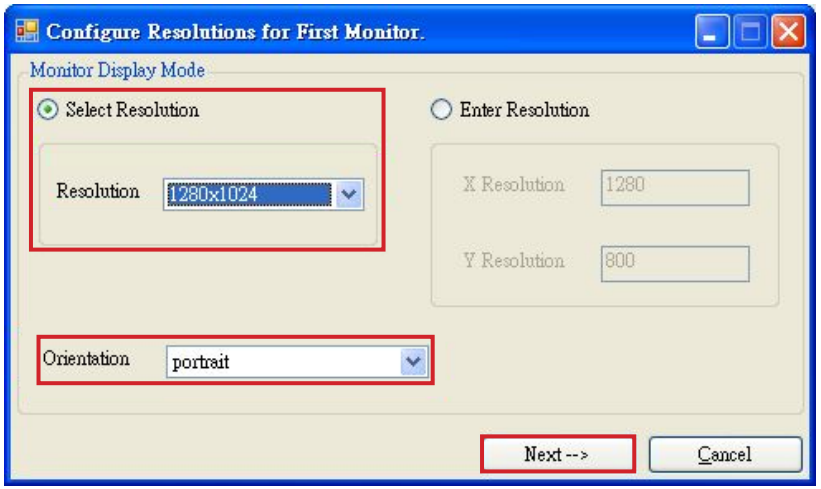
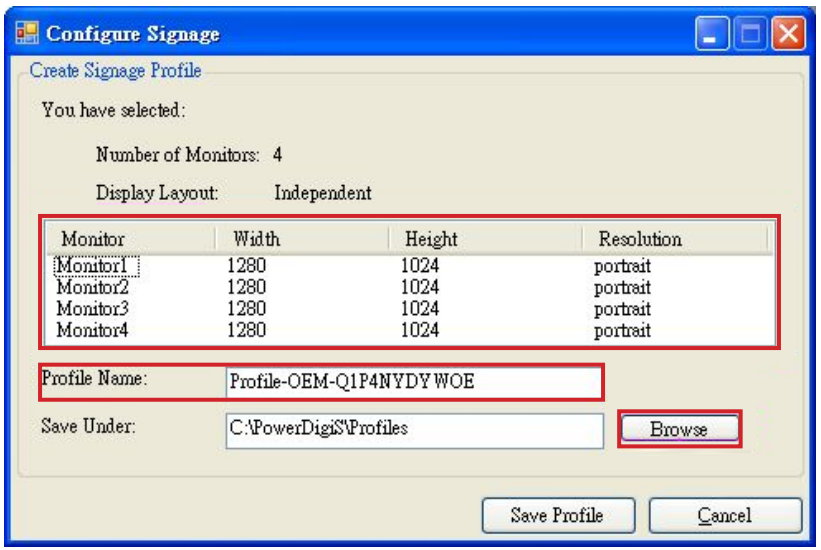
- In the **Monitor Display Mode** dialog box:
  - Enter the resolution (1280X1024 in this case) of the first monitor.
  - Select **portrait** in the Orientation field.
  - Click **Next**.



  - Select the same resolution and portrait for the rest of the monitors.

- In the **Create Signage Profile** dialog box:
  - Name the signage profile in the **Profile Name** field.
  - Click **Browse** to select the location where you want to save the signage profile.
  - Click **Save Profile**.



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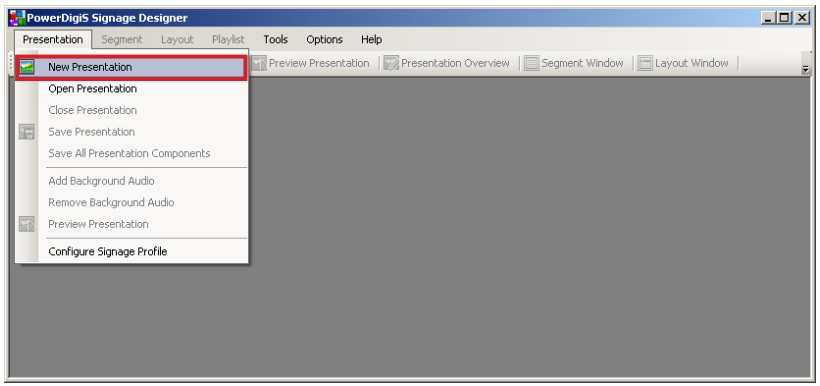
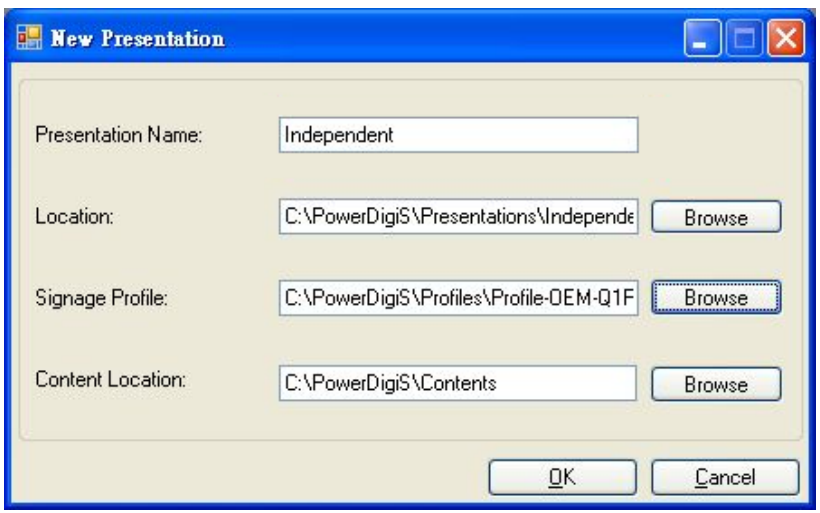
3. Creating a new presentation

- From **Presentation** menu, select **New Presentation**.



- In the **New Presentation** dialog box, enter a name for the Presentation in **Presentation Name**.
- In **Location**, click **Browse** to select a folder where you want to save the presentation file.
- In **Signage Profile**, click **Browse** to locate Signage Profile previously saved.
- In **Content Location**, click **Browse** to locate where the local media content files were stored.
- Click **OK**.



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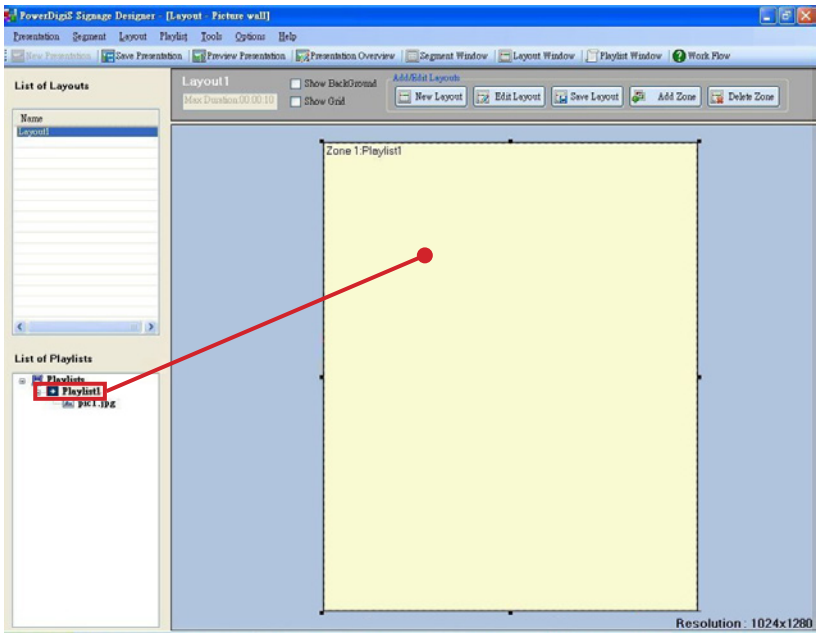
3. Designing a Presentation

After you have created a presentation file, you can now go on with designing the Presentations for each display device. The example below is to show you how to create a simple picture wall presentation for four displays.

- Create a Playlist (Playlist 1) for picture 1.
- Associate Playlis t 1 to zone 1.



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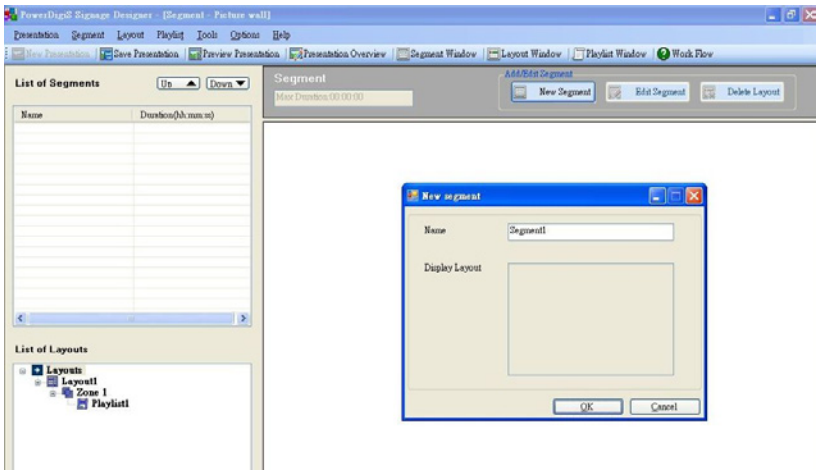
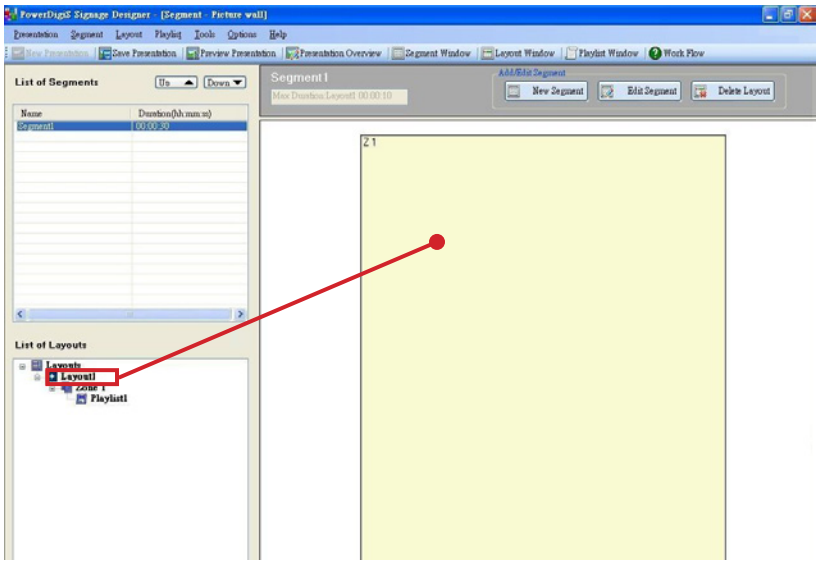
- Create a new segment.



- Assign Layout 1 to Segment 1.



- Save the Presentation and upload it to the Player.
- Repeat the steps above to create the Presentation for the rest of the three monitors to display picture 2,3 and 4.

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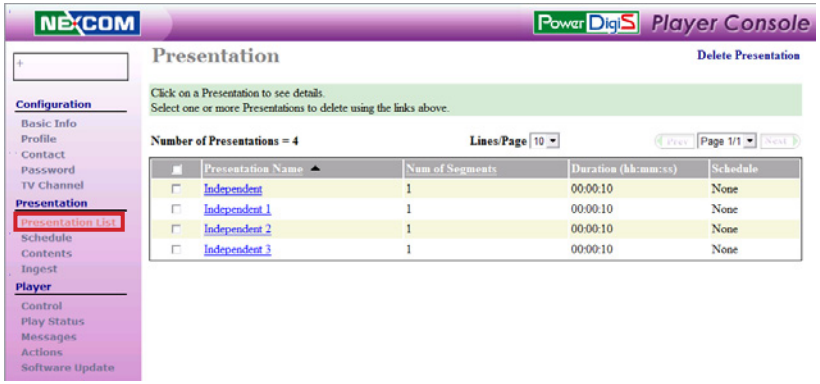
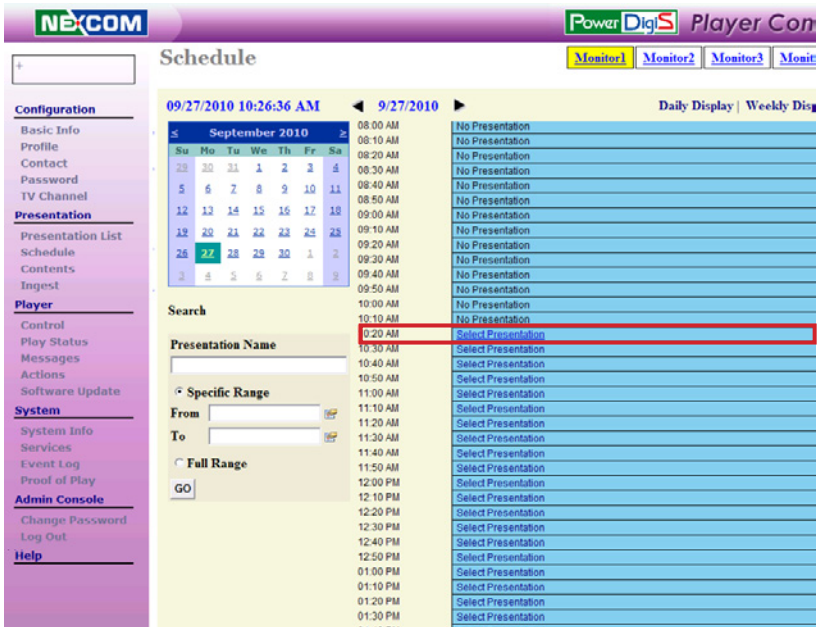
Scheduling presentations with multiple displays that are set in independent mode

After the presentations have been uploaded to the Player, you can start to schedule the presentation for each attached display through the Player web management console.

- On the left column of the Player Console, click **Presentation List**. It will show a list of available Presentations.



- Click **Schedule** and the screen below will appear.



The upper right corner of the screen will show the number of monitors attached to the Player. Click on **Monitor 1** and select the time slot that the first presentation will play on Monitor 1. The selected Monitor will be yellow-highlighted. Repeat the above steps to schedule the presentation for the rest of the monitors.

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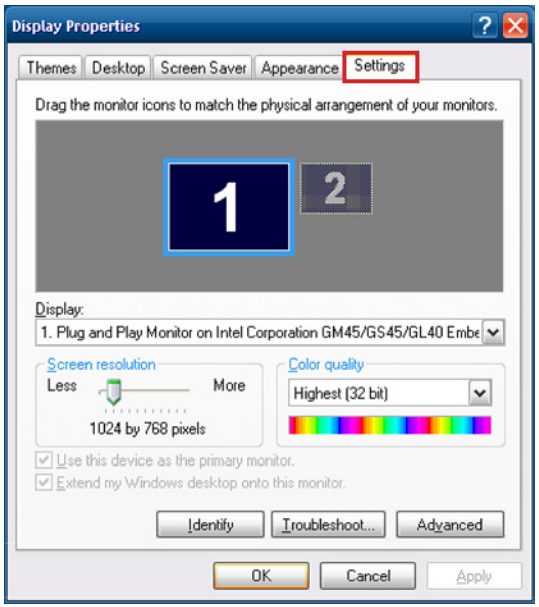
Appendix A: Display Settings

Intel IEGD Driver

for PDS 5120/5120-A/5161/5163

Different PDS models are equipped with different display driver utilities. In this section we will illustrate how to use these driver utilities to configure display settings of single or multiple monitors for different PDS models.

1. Open the IEGD Graphic Driver Utility
   a. Click Start -> Control Panel -> Display.
   b. In the Display Properties dialog box, select the **Settings** tab and then click **Advanced**.



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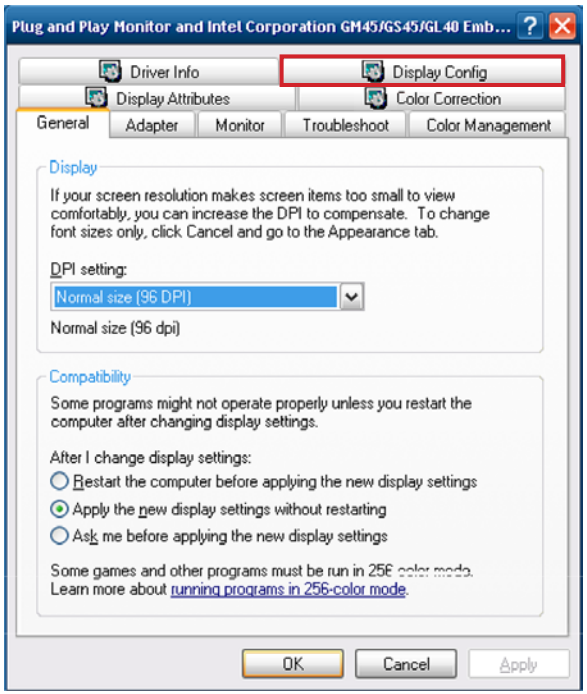
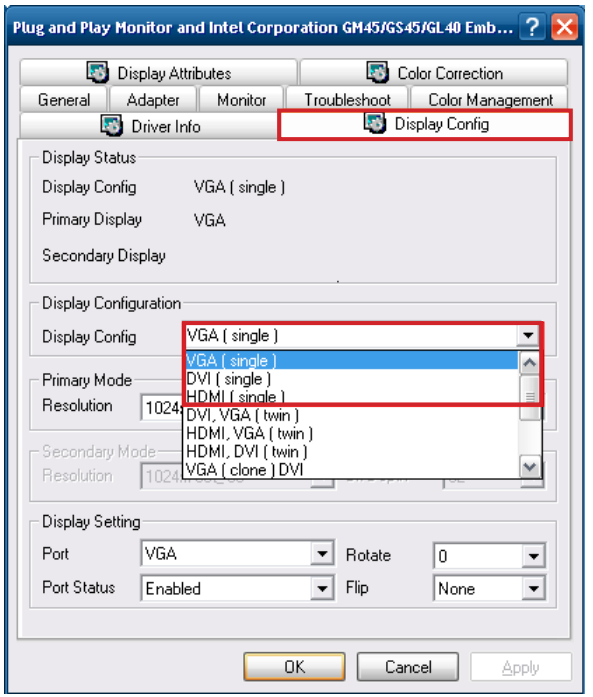
c. The first screen you see is the General screen settings. Select **Display Config**.


Plug and Play Monitor and Intel Corporation GM45/GS45/GL40 Emb...
Driver Info
Display Config
Display Attributes
Color Correction
General
Adapter
Monitor
Troubleshoot
Color Management
Display
If your screen resolution makes screen items too small to view comfortably, you can increase the DPI to compensate. To change font sizes only, click Cancel and go to the Appearance tab.
DPI setting:
Normal size (96 DPI)
Normal size (96 dpi)
Compatibility
Some programs might not operate properly unless you restart the computer after changing display settings.
After I change display settings:
Restart the computer before applying the new display settings
Apply the new display settings without restarting
Ask me before applying the new display settings
Some games and other programs must be run in 256 color mode.
Learn more about running programs in 256-color mode.
OK
Cancel
Apply

2. Select the Operating Mode of the Display

a. Single Display

On the **Display Config** tab, under **Display Configuration**, click the dropdown menu to select a type of single display.



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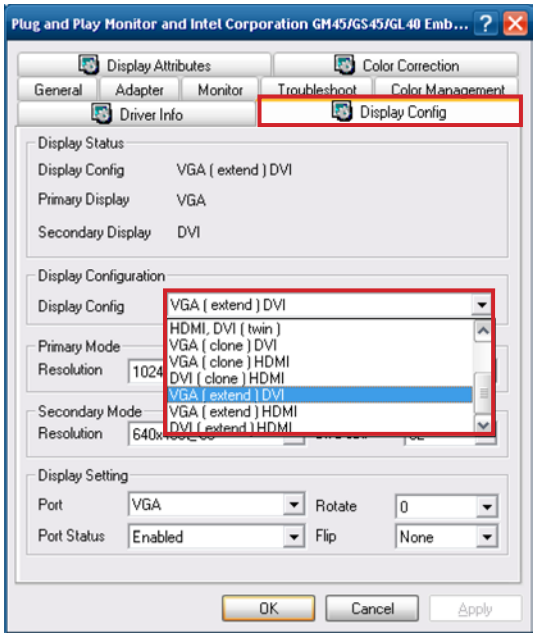
b. Dual Display

On the **Display Config** tab, under **Display Configuration**, click the dropdown menu to select a type of dual display.



Clone

Clones the content of the monitors. Each monitor displays the same presentation.

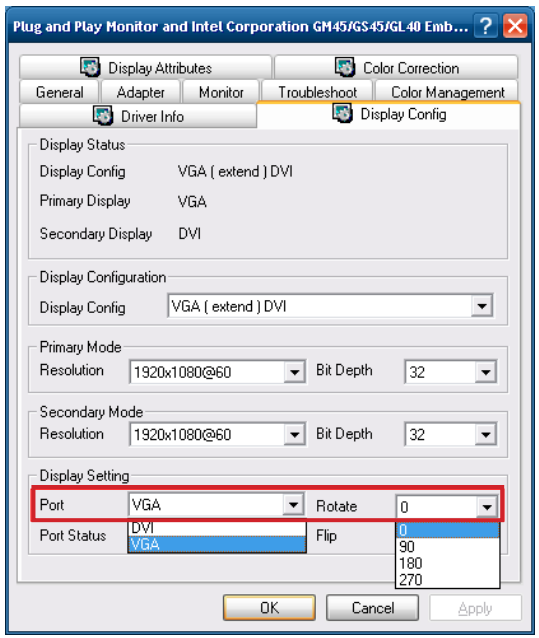
Extend

Spans the presentation across all monitors. A presentation that spans two or more monitors enlarges the image displayed.

3. Select the Screen Rotation and Resolution

a. Screen Rotation

On the **Display Config** tab, under **Display Setting**, select the **Port** and the **Rotation**.



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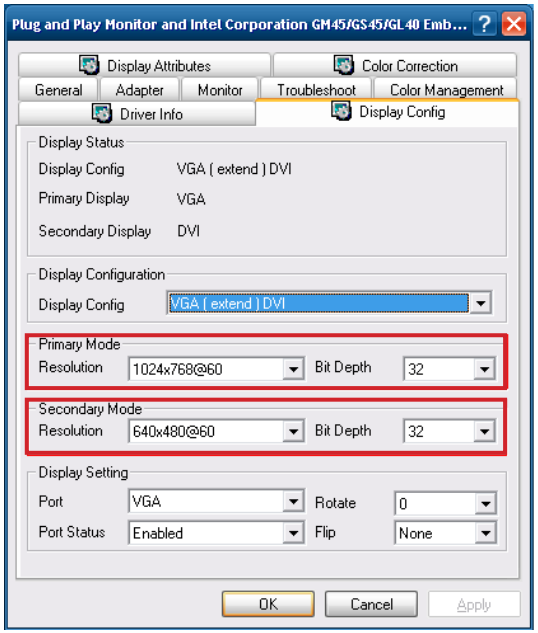
b. Screen Resolution

On the **Display Config** tab, select the resolution under **Primary Mode** and **Secondary Mode** for the primary monitor and secondary monitor respectively.

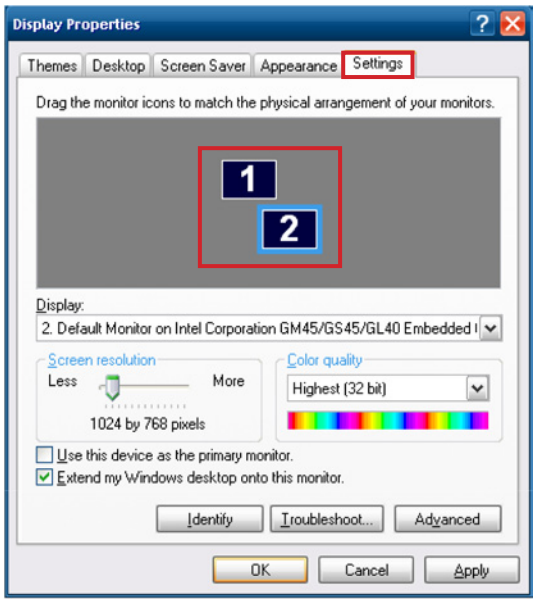


4. Adjust the Physical Arrangement of the Monitors

a. Click Start -> Control Panel -> Display.

b. In the Display Properties dialog box, select the **Settings** tab.

c. Drag the monitor icons to match the physical arrangement of your monitors.



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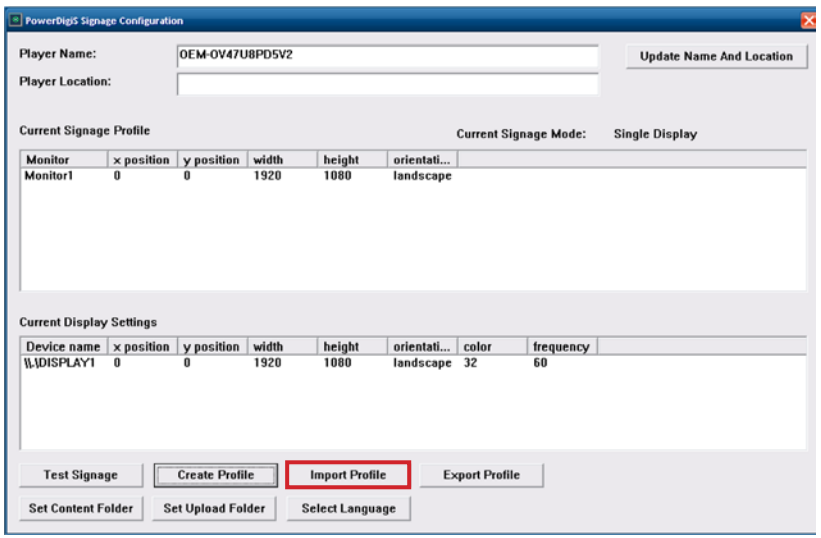
5. Import the Signage Profile

a. Click **Start**, click **All Programs**, click **PowerDigiS Signage Player**, and then click **Configure Signage**.

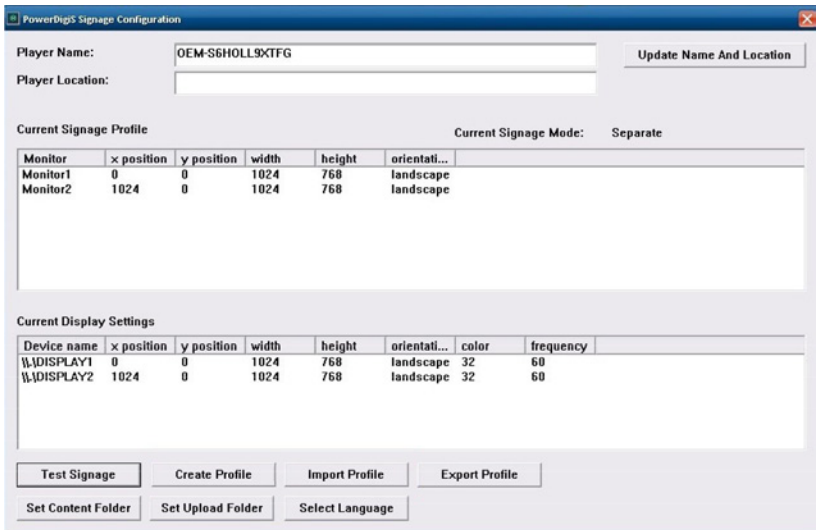
b. In the PowerDigiS Signage Configuration diaglog box, enter the Player Name and Player Location then click **Update Name and Location**.

c. Click **Import Profile**.



d. Select the profile you want to import.

e. The imported profile will be added to the profile list.


PowerDigiS Signage Configuration
Player Name:
OEM-S6HOLL9XTFG
Update Name And Location
Player Location:
Current Signage Profile
Current Signage Mode: Separate
Monitor x position y position width height orientati...
Monitor1 0 0 1024 768 landscape
Monitor2 1024 0 1024 768 landscape
Current Display Settings
Device name x position y position width height orientati... color frequency
\\.\DISPLAY1 0 0 1024 768 landscape 32 60
\\.\DISPLAY2 1024 0 1024 768 landscape 32 60
Test Signage
Create Profile
Import Profile
Export Profile
Set Content Folder
Set Upload Folder
Select Language

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Intel GMA Driver

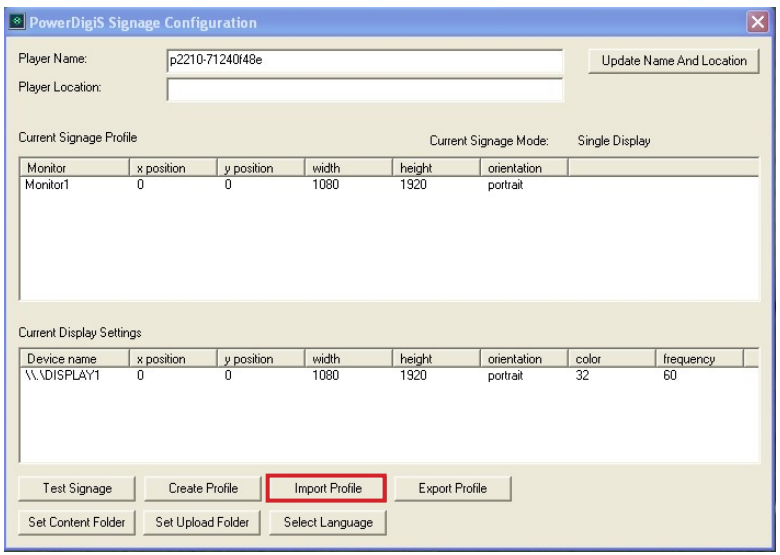
for PDS V2000/P2210

1. Import the Signage Profile

   a. Click **Start**, click **All Programs**, click **PowerDigiS Signage Player**, and then click **Configure Signage**.

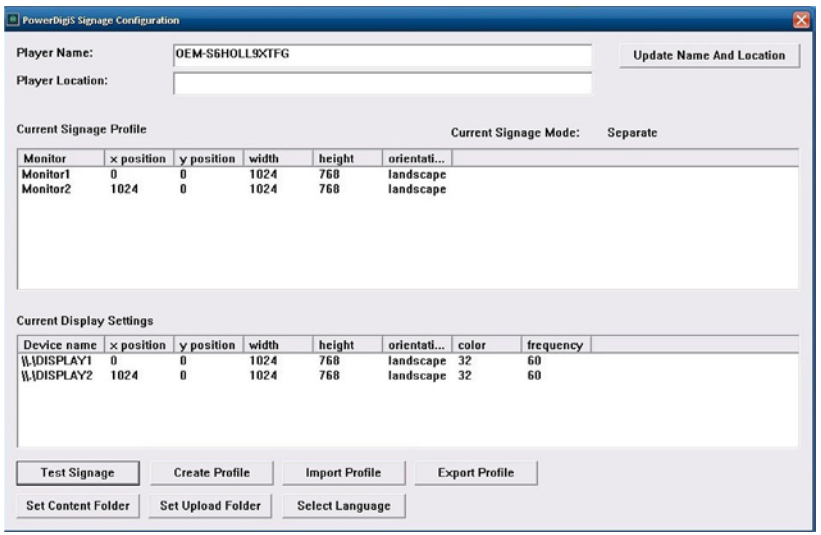
   b. In the PowerDigiS Signage Configuration diaglog box, enter the Player Name and Player Location then click **Update Name and Location**.

   c. Click **Import Profile**.


PowerDigiS Signage Configuration
Player Name:
p2210-71240f48e
Update Name And Location
Player Location:
Current Signage Profile
Current Signage Mode: Single Display
Monitor | x position | y position | width | height | orientation
Monitor1 | 0 | 0 | 1080 | 1920 | portrait
Current Display Settings
Device name | x position | y position | width | height | orientation | color | frequency
\\.\DISPLAY1 | 0 | 0 | 1080 | 1920 | portrait | 32 | 60
Test Signage
Create Profile
Import Profile
Export Profile
Set Content Folder
Set Upload Folder
Select Language

   d. Select the profile you want to import.

   e. The imported profile will be added to the profile list.


PowerDigiS Signage Configuration
Player Name:
OEM-S6HOLL9XTFG
Update Name And Location
Player Location:
Current Signage Profile
Current Signage Mode: Separate
Monitor | x position | y position | width | height | orientati...
Monitor1 | 0 | 0 | 1024 | 768 | landscape
Monitor2 | 1024 | 0 | 1024 | 768 | landscape
Current Display Settings
Device name | x position | y position | width | height | orientati... | color | frequency
\\.\DISPLAY1 | 0 | 0 | 1024 | 768 | landscape | 32 | 60
\\.\DISPLAY2 | 1024 | 0 | 1024 | 768 | landscape | 32 | 60
Test Signage
Create Profile
Import Profile
Export Profile
Set Content Folder
Set Upload Folder
Select Language

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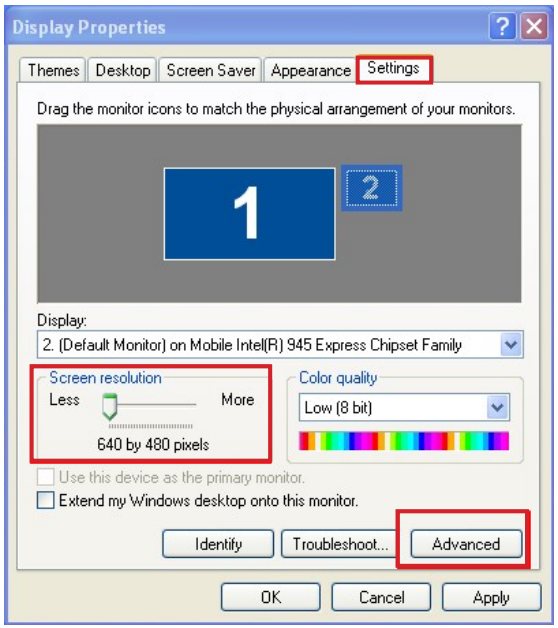
2. Open the GMA Driver Utility

a. Click Start -> Control Panel -> Display.

b. In the Display Properties dialog box, select the **Settings** tab.
Under **Screen Resolution**, drag the slider to select the resolution.

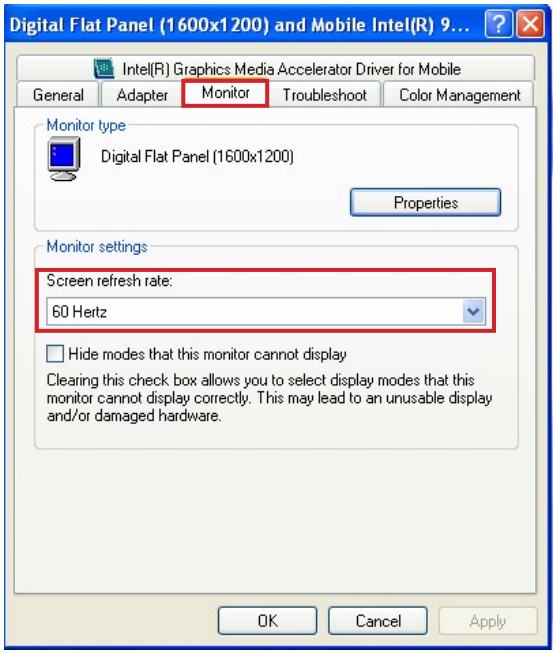
c. Click **Advanced**.



3. Enable Display Settings

a. Select the **Monitor** tab.

b. Under Monitor Settings, select the screen's **Refresh Rate**.



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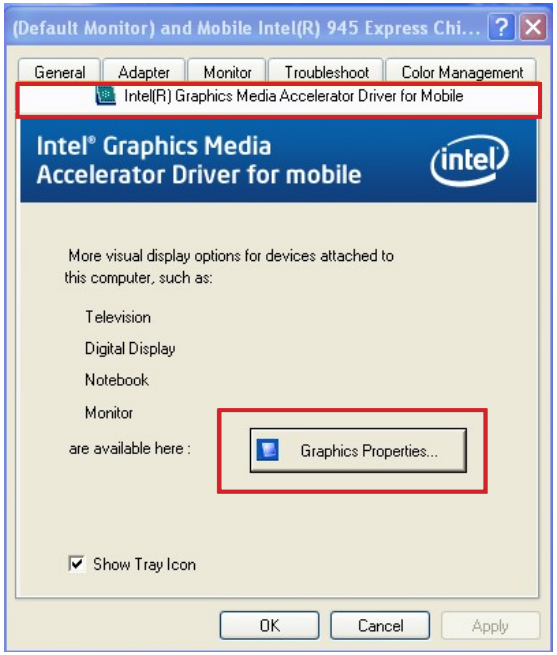
4. Select the Graphics Properties

a. Select the **Intel Graphics Media Accelerator Driver for Mobile** tab.

b. Click **Graphics** Properties.

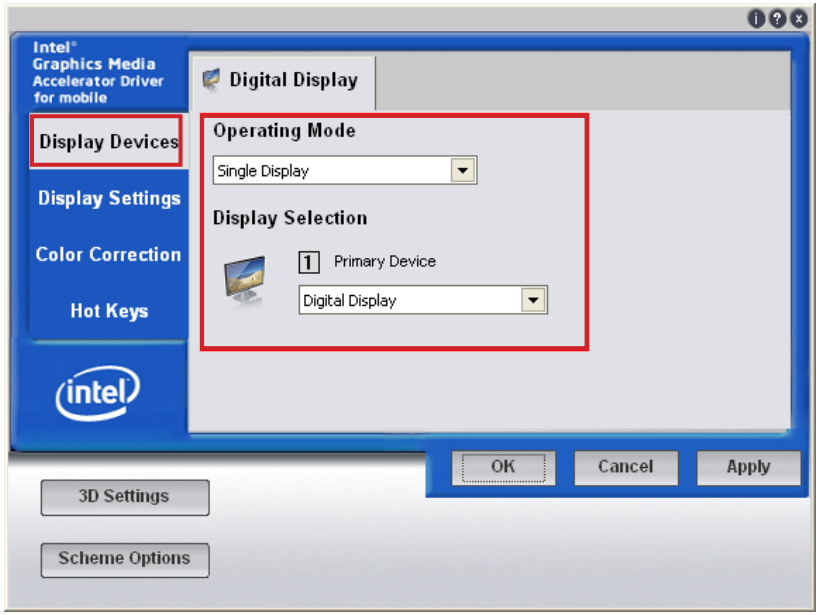


5. Select the Display Devices

a. Click **Display Devices**.

b. Under **Operating Mode**, select the number of display devices.

c. In the example below, the operating mode selected is Single Display. Select the primary device of the single display under **Display Selection**.



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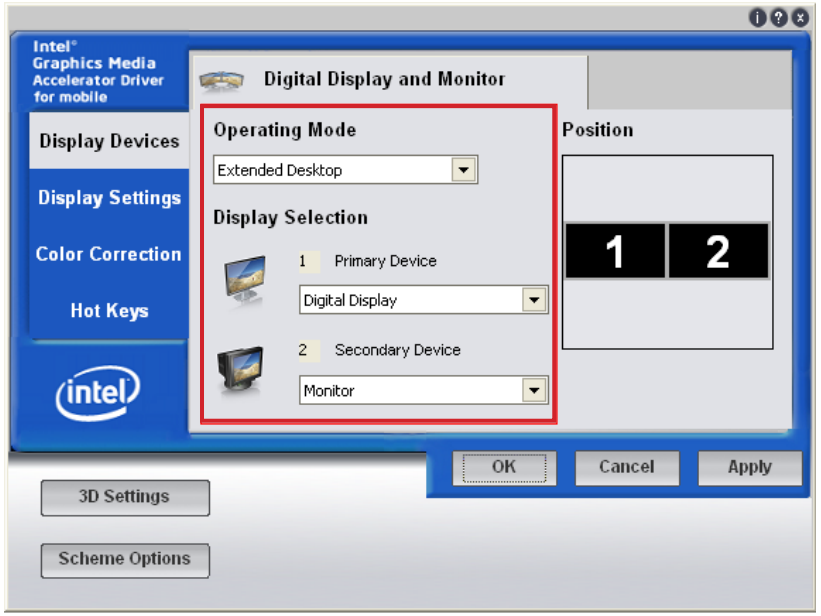
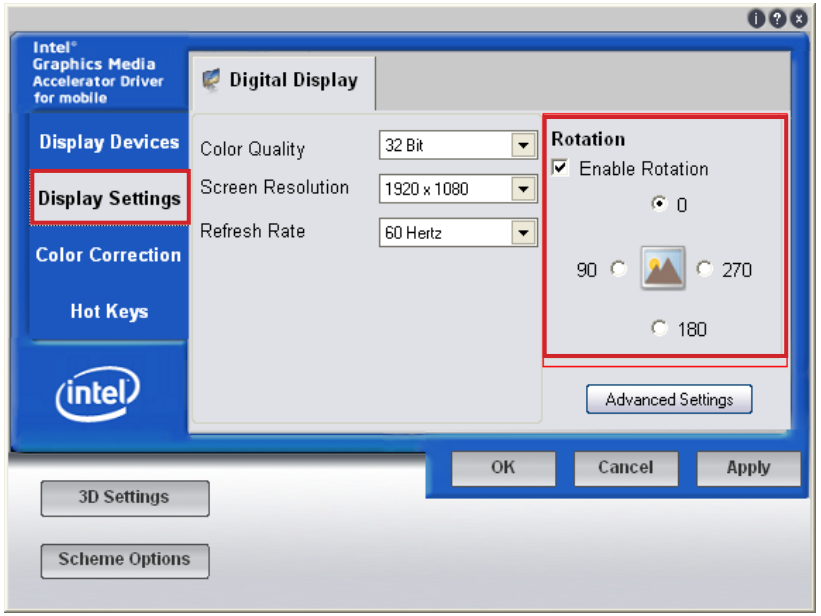
d. If the operating mode selected is **Extended Desktop**, you must select the **Primary** and **Secondary** devices under Display Selection.



6. Select the Display Rotation

a. Click **Display Settings**.

b. Click **Enable Rotation** and then select a rotation.



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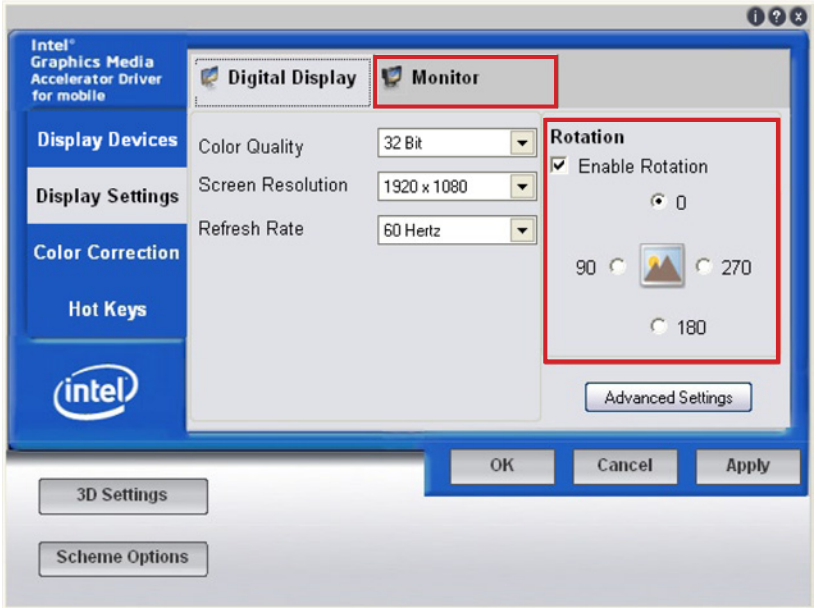
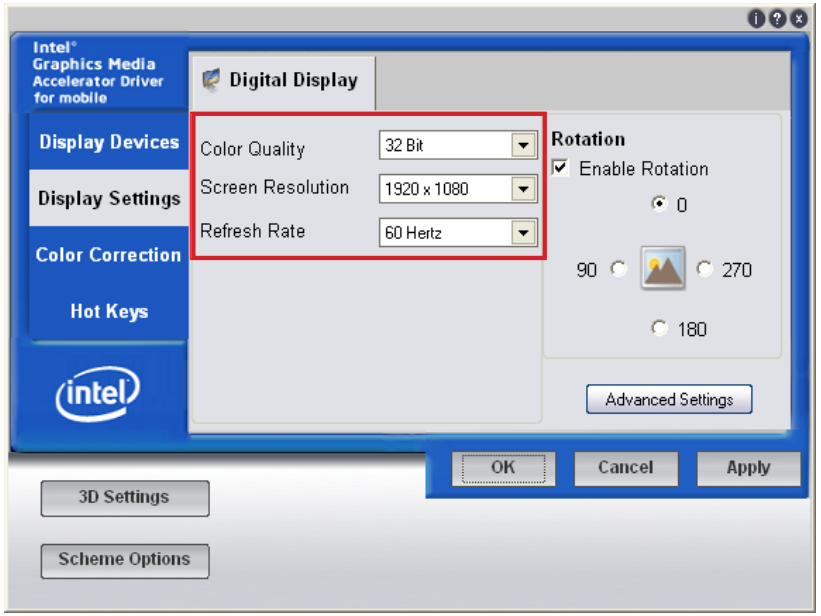
c. The **Monitor** tab will appear.



7. Select the Display Resolution

a. In **Display Settings**, select the color, resolution and refresh rate in the **Color Quality, Screen Resolution** and Refresh **Rate fields** respectively.



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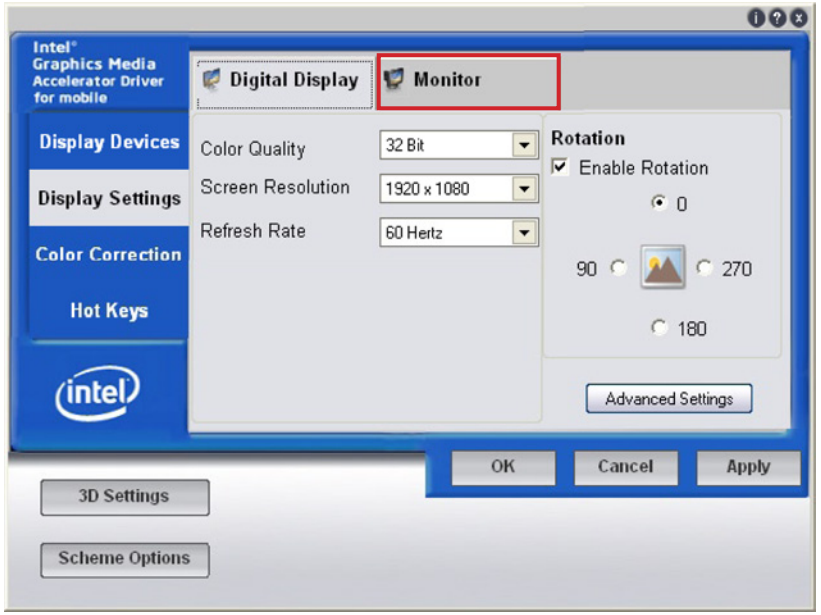
b. The **Monitor** tab will appear.



Intel GMA Driver for PDS V2000/P2210

For more information on Intel GMA driver usage, please refer to the following URL for details:

Intel® Embedded Graphics Drivers, EFI Video Driver, and Video BIOS User's Guide

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ATI Driver

for PDS 5162/5540/5541

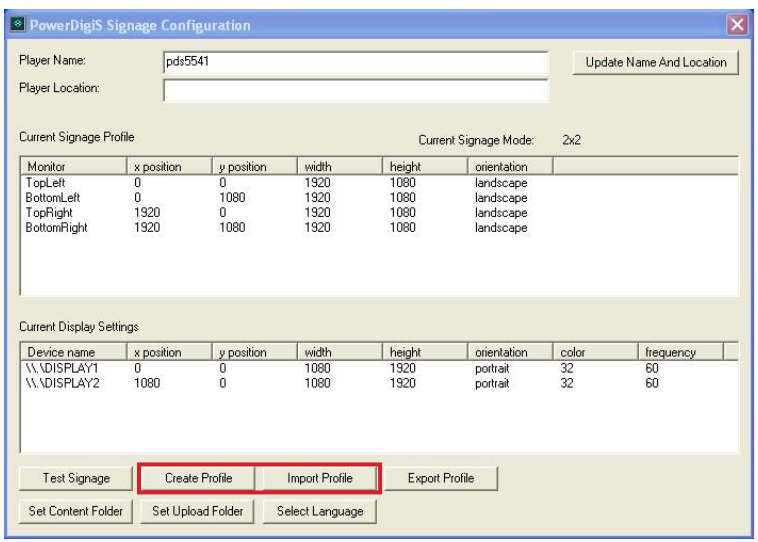
1. Create or Import the Signage Profile

   a. Click **Start**, click **All Programs**, click **PowerDigiS Signage Player**, and then click **Configure Signage**.

   b. In the PowerDigiS Signage Configuration diaglog box, enter the Player Name and Player Location then click **Update Name and Location**.

   c. Click **Import Profile**.

   d. If you want to create a new profile, click **Create Profile**.


PowerDigiS Signage Configuration
Player Name:
pds5541
Update Name And Location
Player Location:
Current Signage Profile
Current Signage Mode: 2x2
Monitor | x position | y position | width | height | orientation
TopLeft | 0 | 0 | 1920 | 1080 | landscape
BottomLeft | 0 | 1080 | 1920 | 1080 | landscape
TopRight | 1920 | 0 | 1920 | 1080 | landscape
BottomRight | 1920 | 1080 | 1920 | 1080 | landscape
Current Display Settings
Device name | x position | y position | width | height | orientation | color | frequency
\\.\DISPLAY1 | 0 | 0 | 1080 | 1920 | portrait | 32 | 60
\\.\DISPLAY2 | 1080 | 0 | 1080 | 1920 | portrait | 32 | 60
Test Signage
Create Profile
Import Profile
Export Profile
Set Content Folder
Set Upload Folder
Select Language

2. Open the ATI Graphic Driver Utility

   a. Open ATI's **Catalyst Control Center** utility program.

   b. Click **Display Properties**.

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3. Select the Display Rotation and Resolution

   a. Under **Graphics Adapter**, select the ATI graphics adapter.

   b. Select the display device for the graphics adapter under **Selected Display On**.

   c. Select the **Resolution, Color Quality, Refresh Rate** and **Rotation**.

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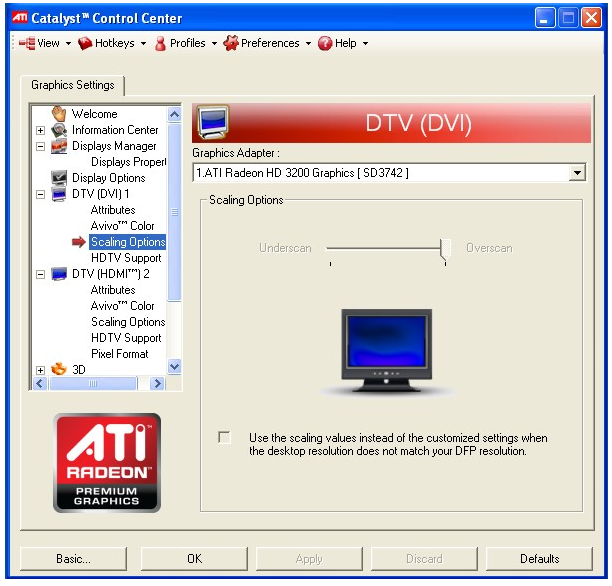
4. Adjust Scaling of the Display Device

a. Click **Scaling Options**.

b. Right-click on the display icon to view relevant information.

c. Adjust the slider to select the scaling option. Scale by removing unwanted borders.



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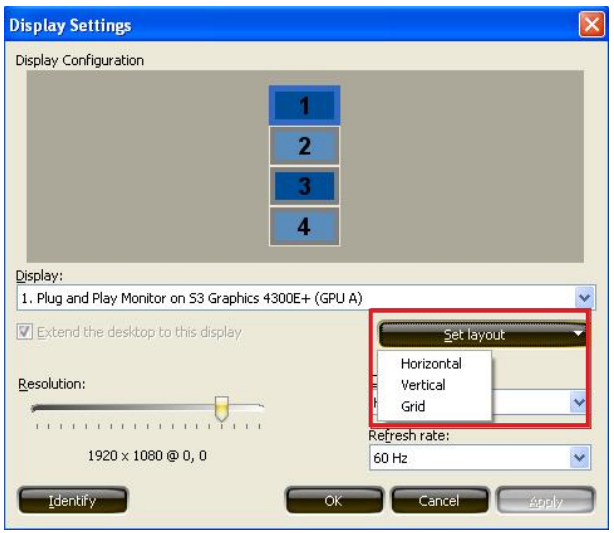
S3 Driver

for PDS 7740

1. Set the Display's Layout

   a. In the **Set Layout** dropdown menu, select the display's layout.

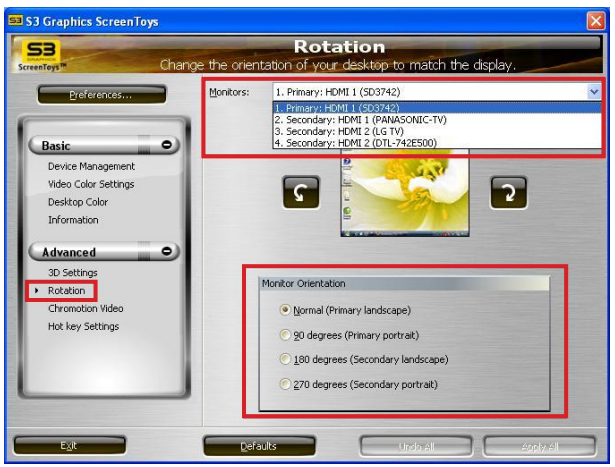


2. Select the Display's Orientation

   a. In the **Monitors** field, select the display device.

   b. Click **Rotation**.

   c. Under **Monitor Orientation**, select the preferred orientation.



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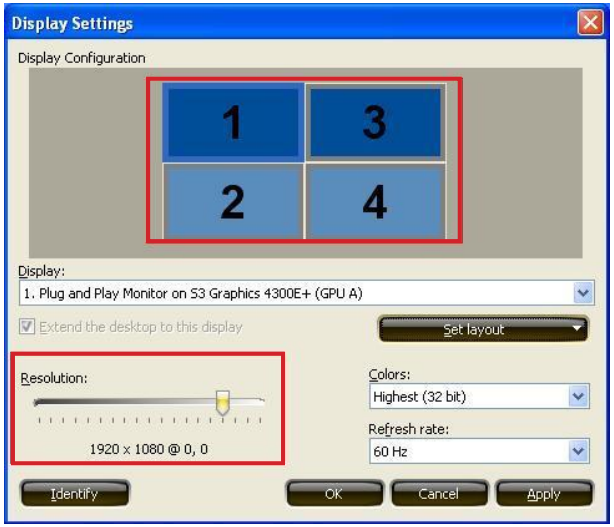
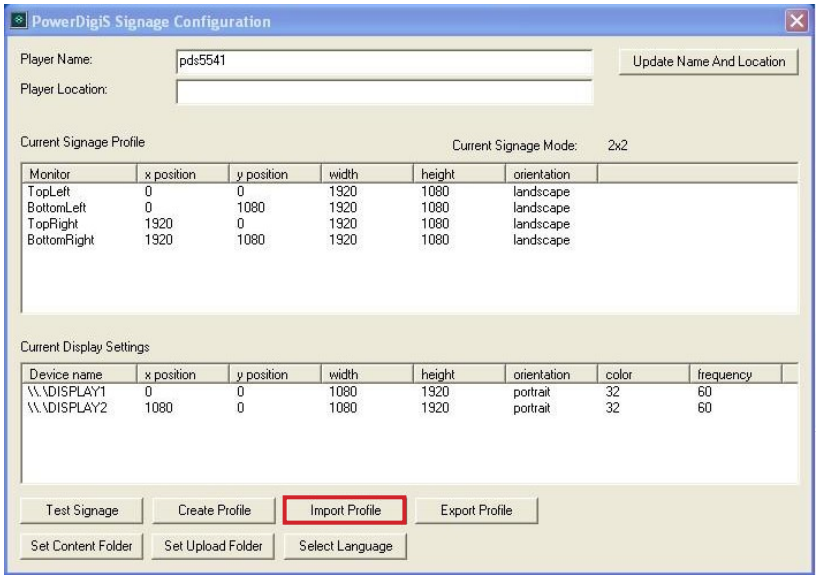
3. Select the Display's Resolution

a. Under **Resolution**, adjust the slider to set the resolution.



4. Import the Signage Profile

a. Click **Import Profile**.


PowerDigiS Signage Configuration
Player Name:
pds5541
Player Location:
Update Name And Location
Current Signage Profile
Current Signage Mode: 2x2
Monitor | x position | y position | width | height | orientation
TopLeft | 0 | 0 | 1920 | 1080 | landscape
BottomLeft | 0 | 1080 | 1920 | 1080 | landscape
TopRight | 1920 | 0 | 1920 | 1080 | landscape
BottomRight | 1920 | 1080 | 1920 | 1080 | landscape
Current Display Settings
Device name | x position | y position | width | height | orientation | color | frequency
\\.\DISPLAY1 | 0 | 0 | 1080 | 1920 | portrait | 32 | 60
\\.\DISPLAY2 | 1080 | 0 | 1080 | 1920 | portrait | 32 | 60
Test Signage
Create Profile
Import Profile
Export Profile
Set Content Folder
Set Upload Folder
Select Language

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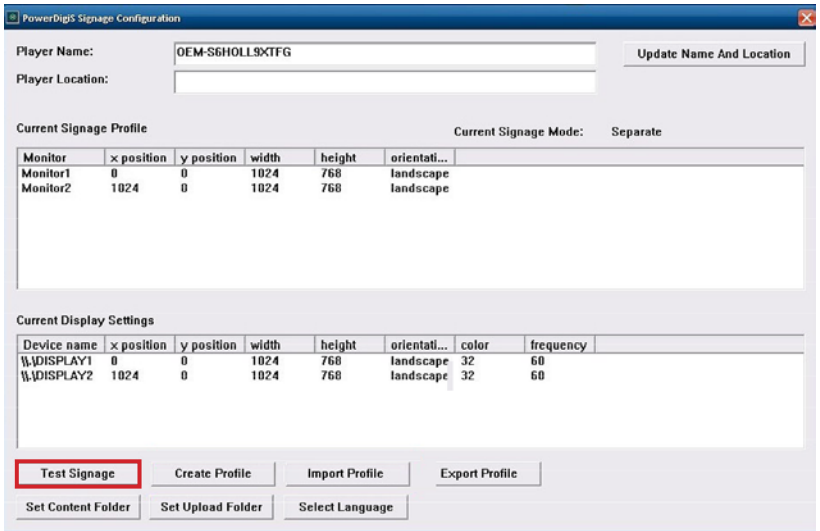
Test Signage Output

1. To check whether a profile configuration works or not, click **Test Signage.**



2. If you selected Single Display, landscape position, the screen will appear as shown below.

3. If you selected Single Display, portrait position, the screen will appear as shown below.

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4. If you selected Multiple Displays Side By Side, landscape position, the screen will appear as shown below.

5. If you selected Multiple Displays Side By Side, portrait position, the screen will appear as shown below.

6. If you selected Multiple Displays Top and Bottom, landscape position, the screen will appear as shown below.

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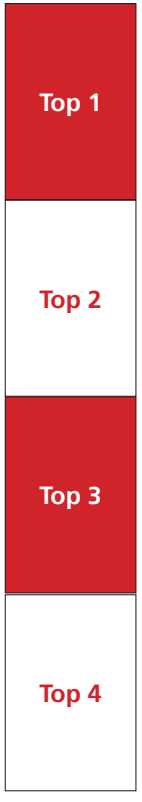
7. If you selected Multiple Displays Top and Bottom, portrait position, the screen will appear as shown below.



ATI Driver for PDS 5162/5540/5541

For more information on ATI Driver usage, please refer to the following URL for details:

ATI Catalyst Control Center utility

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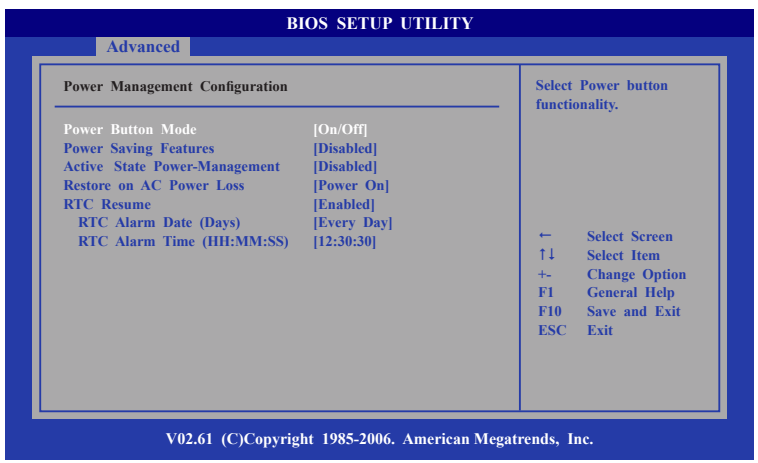
Appendix B: Schedule On/Off Option for PDS 5163/5541

Schedule On/Off function is currently supported in PDS 5163 and 5541. It allows user to set daily power-off (stand by) time and wake up time using the Player power scheduling interface on the web management console. Once this option is enabled, Player can auto shutdown and auto start up according to user pre-defined schedule.

For PDS 5541

- To enable this option, change the following BIOS Settings in Power Management Configuration:
  - Restore On AC Power Loss -> **[Power On]**
  - RTC Resume -> **[Enabled]**
    - Set RTC Alarm Date (Days) to **[Every Day]**



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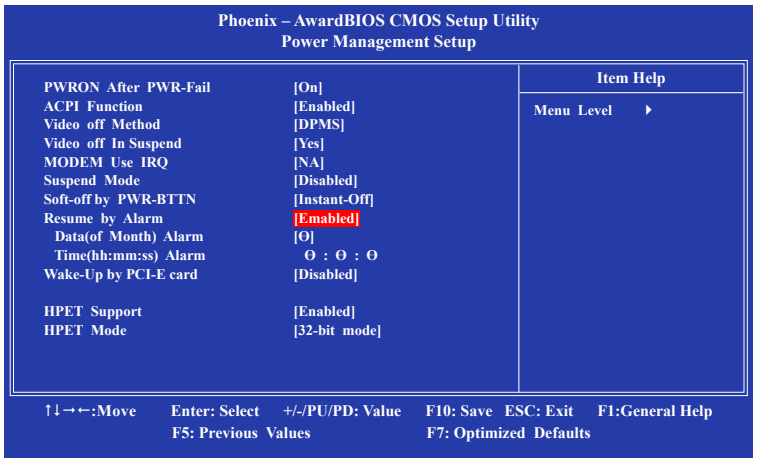
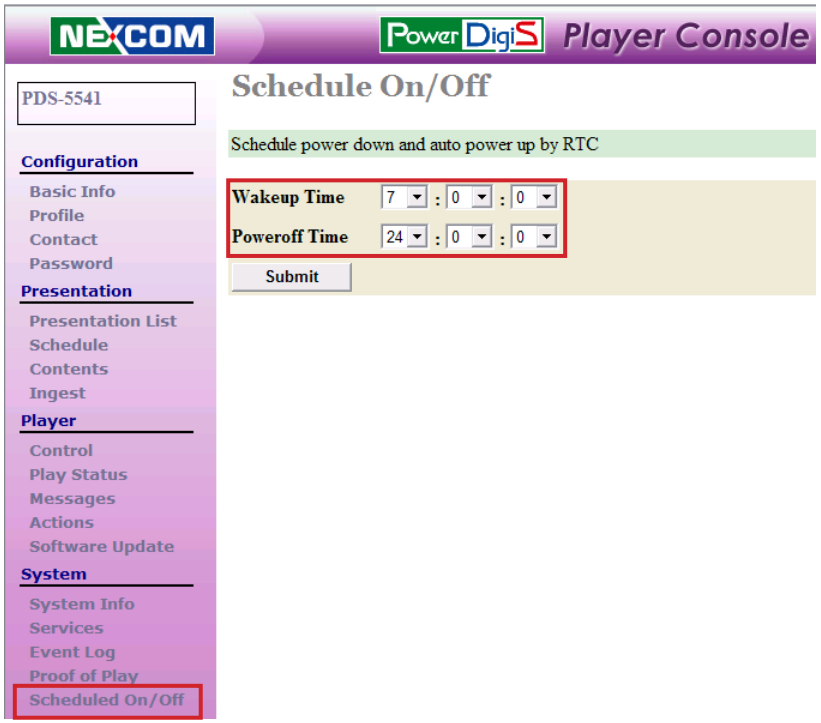
For PDS 5163

- To enable this option, change the following BIOS settings in Power Management Setup:
  - PWRON After PWR Fail -> **[On]**
  - Resume by Alarm -> **[Enabled]**
    - Set Date Alarm -> **[0]**


Phoenix – AwardBIOS CMOS Setup Utility
Power Management Setup
PWRON After PWR-Fail [On]
ACPI Function [Enabled]
Video off Method [DPMS]
Video off In Suspend [Yes]
MODEM Use IRQ [NA]
Suspend Mode [Disabled]
Soft-off by PWR-BTTN [Instant-Off]
Resume by Alarm [Enabled]
Data(of Month) Alarm [0]
Time(hh:mm:ss) Alarm 0 : 0 : 0
Wake-Up by PCI-E card [Disabled]
HPET Support [Enabled]
HPET Mode [32-bit mode]
Item Help
Menu Level
↑↓→←:Move Enter: Select +/-/PU/PD: Value F10: Save ESC: Exit F1:General Help
F5: Previous Values F7: Optimized Defaults

After the BIOS settings have been properly configured, you can log into the Player web management console to schedule the Player auto start up/shutdown time.

- Click **Schedule On/Off** on the Player web management console.
- On the Schedule On/Off page, enter the preferred Wakeup and Poweroff Time for the Player. Click **Submit**.



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